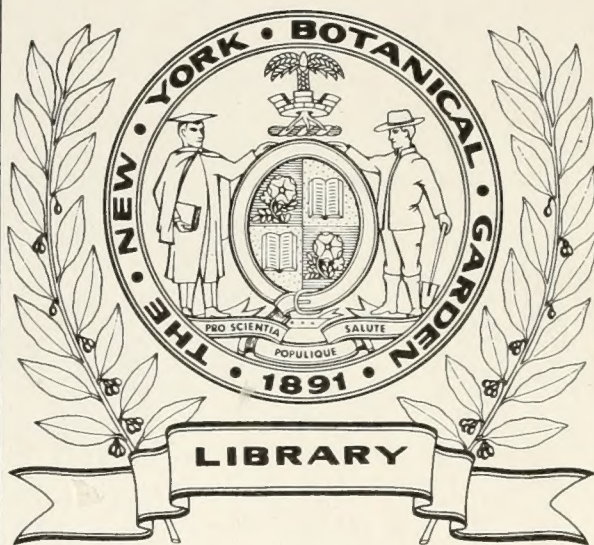


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Vol. XIII.

JANUARY 7, 1911

No. 1



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Tritoma syn. Kniphofia

Tritomas, commonly called Torch Lilies or Red-hot Poker plants, are natives of South Africa and Madagascar. Of strong bushy habit of growth with foliage of good substance and tall flower spikes in colors of rare intensity their ever-increasing popularity is readily understood. A fair-sized specimen in full flower will attract attention even if placed amid the choicest collection of summer-flowering plants. A group of them, numerous enough to send up from 50 to 100 torch-like racemes of bright scarlet, orange, or coral-red hue, borne on strong erect stalks from 2-4 feet high is bound to develop into a brilliant floral spectacle of unique beauty. Tritomas are elegant subjects for border planting and are known as highly useful bedding plants when conspicuous mass-effects are desired. For the latter purpose the most advantageous position is to place them so that their radiant shades stand out in vivid contrast against a dark evergreen background.

Longest known is the old tall-growing variety *Tritoma uvaria grandiflora*, in bloom from September until November. Its late-flowering habit, while perhaps of little or no consequence in middle and southern States to some extent, limits northern planting. The more recent introductions of early and free-flowering varieties have increased the ornamental value of tritomas immensely. They will now without doubt win the same popularity in the North that they have met South.

Among novelties tried, nearly all leading hardy-plant firms point out *Tritoma hybrida* "Express" as the best of the early ones, flowers appearing by the beginning of July. The ever-blooming torch lily *Tritoma hybrida* Pfitzeri, not exactly new, but still one of the best in existence, is in flower from early in August until the frost stops vegetation. Color of racemes a bright orange-scarlet. The same color and other qualities are said to distinguish the novelty R. Wilson Kerr, described as



TRITOMA HYBRIDA—PFITZERI

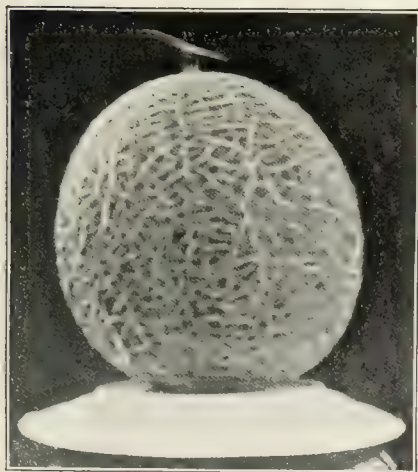
one of the best so far introduced. Of lower growth is *T. corallina*, a free and continuous bloomer producing coral-red spikes, while the color of *Obelisque* is yellow.

Torch lilies, though generally classed among the hardy perennials, do not endure severe frosts and therefore require proper protection during winter. Throughout the middle Atlantic States a leaf-covering held down by brush is usually sufficient, while further north it is safer to take the plants up late in fall and overwinter them in sand, in cool but sheltered inside quarters.

Richard Roth

Forcing Melons

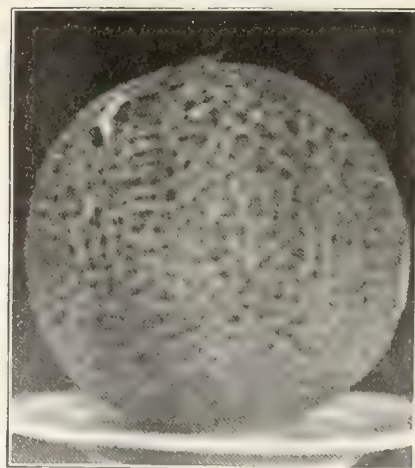
See Cover Illustration.



HIS EMINENCE



HERO OF LOCKINGE



SUPERLATIVE

The accompanying photographs are of three fruits which were used on Christmas, the pictures having been taken a few days previously. They show what can be done in the way of producing much prized delicacies.

The seed was sown on August 29 and grown under conditions similar to those that have been recommended in these columns from time to time.

"Hero of Lockinge" is regarded as the best all round melon for winter work. "His Eminence" is an excel-

lent fruit and does exceedingly well up to Christmas. "Sutton's Superlative" is a green-flesh melon of fine quality. The flesh is rich and of sugary sweetness.

The view shown in the cover illustration of this paper was taken in one of the melon houses under the care of Edward Kirk, gardener on the estate of George W. Vanderbilt at Bar Harbor, Me. Two of the varieties above mentioned are seen—Hero of Lockinge on left and Superlative on right side of picture.

HORTICULTURE

VOL. XIII

JANUARY 7, 1911

NO. 1

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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SUPPLEMENT WITH THIS ISSUE
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 Come one,
 come all

Only ten weeks now remain before the doors of Mechanics Building, Boston, will swing open, presenting to the American public and the horticultural trade the grandest floral spectacle ever witnessed on this continent. No event planned for the immediate future can compare with this stupendous undertaking in direct importance and practical value to the plant and flower trade and allied industries. It is, in itself, sufficient to monopolize the attention and interest of every individual, from the Atlantic to the Pacific, who would like to see horticulture attain its proper position among the refined and refining influences of our land. All those who can possibly do so owe it to themselves and to their business to join in the great pilgrimage which is expected to move Bostonward in the latter part of March. It may be a very long time before an equal opportunity is again offered.

 Give us
 parcel post

The note on another page of this issue in reference to the action of the Canadian Railway Commission on express tariffs will have a very familiar sound for anyone who has followed up information regarding conditions on this side of the line. The facts therein presented show the utter inconsistency from every principle of a fair-price-for-the-service standard, in the carrying charges as now made by the express companies. With a system of railway transportation using the same rails, engines and service as is used for the transportation of other goods and passengers, yet simply on account of the collection and delivery, a charge for additional service is made which is so excessive and unjust as to demand emphatic action by the proper authorities. Patient and submissive, the public have permitted the extortion to go on for years with scarcely a word of protest and, judging from the apathy still shown, prefer to submit indefinitely rather than to take action to bring about a reform.

 Boys,
 get busy

President George Asmus has shown good judgment in the selection of directors to serve for the next three years on the executive board of the National Society. They are young men and have been chosen, apparently, not only as representing the younger element in the Society's membership, but in recognition of the record already made by both appointees as loyal and efficient workers in any capacity in which they have ever been called upon to serve. Intelligent study of the needs of the organization and persistent following up of live issues, with a determination to broaden the Society's scope, enlarge its usefulness and impress upon the horticultural profession the splendid possibilities in such an organization are among the qualities most needed in the official representatives of any association with a practical mission, and which have never been more urgently needed in the S. A. F. than at the present time. The trade and profession all over the country are now in the same sort of receptive mood as in the early days of the Society's history and there is an abundance of young healthy enthusiasm which wide-awake action now will be sure to set in motion. Boys, get busy.

Seasonable Notes on Culture of Florists' Stock

ALOCASIAS

At this season of the year, water should be withheld so as to allow these plants a season of rest—that is the herbaceous species. As the leaves show signs of maturing water can be withheld altogether until they start up again. Plants that have become too big and of a straggling nature should be cut into pieces, taking care to retain an eye to each piece. Use air-slacked lime over the cuts. Let the pieces lie in a warm place for a few days until they become dry, then lay them in a propagating frame on the sand and cover up with moss. Keep the atmosphere moist, with a temperature of 80 degrees. This is the best way to propagate *Alocasia Lowii* and *Sanderiana*, as they make but few small bulbs. *Alocasia macrorrhiza variegata*, *metallica*, *Thibautiana* and *Sedenii*, when strong, produce quite a few rhizomes which can be propagated. After they have started they can be potted up in a compost of one-third each of fibrous peat, turfy loam and chopped sphagnum.

FUCHSIAS

Bring in now some of your fuchsias that have been resting; shake and repot in good fresh soil. They can be started in a temperature of from 55 to 60 degrees. Shorten them back to firm ripe wood, and give them a good daily syringing, and you will be able to get a fine batch of cuttings in three or four weeks. These plants can be propagated with good success up to the end of February. They like a bottom heat of 70 degrees with a top heat of about 55 degrees. When they are rooted, which should be in about two or three weeks, they can be potted into 2½ or 3-inch pots, using a compost of two parts of fibrous loam to one of well-rotted manure and one part of leaf-mold, with a fair sprinkling of sand. Place the plants near the glass and syringe often so as to promote growth and to keep down aphides and red spider. They can be shifted along until they are in the desired size. Five and 6-inch makes a good salable size. They can be pinched, which will induce them to break into two or three leading growths. If a more compact plant is needed they can be stopped a second time. *Fuchsia speciosa* is an old but standard variety for vases, veranda boxes or beds.

HELIOTROPE

Now is a good time to start and increase your stock of this plant. Put in cuttings of the best varieties, bearing in mind that the dark colored varieties emit a stronger fragrance, while their flowers last longer. When rooted pot into 2½-inch, using a compost of fibry loam two parts and well decomposed manure one part. They will need to be shifted as they get well-rooted. When well-established they like a cool, airy and sunny house, but guard against sudden falls of temperature and cold draughts. Give them a temperature of not over 50 degrees at night with a buoyant atmosphere at all times, for they don't like to be huddled up in warm and over-

humid quarters. They will need careful watering and frequent spraying until they begin to bloom. When they become root-bound in 5 or 6-inch pots they should have occasional applications of weak manure water.

LONGIFLORUMS

These lilies should be brought in now and placed on a bench in a house having a temperature of not over 50 degrees. Care should be exercised in watering at this stage. In about two weeks the temperature can be raised to 60 degrees—that is, if the pots are well filled with roots; if not, it would be better to give them 55 degrees. Place them as near the glass as accommodation will permit. In the six weeks previous to Easter they will endure a good strong heat—anywhere from 65 to 70 degrees in order to bring them right. Fumigate moderately once a week so as to keep down the aphids.

PROPAGATING CROTONS

There is no question that it is better to moss all the good tops available, and the sooner a beginning is made the better. Select the stem and denude of leaves for a distance of 2 or 3 inches. With a sharp knife make an incision upward in the wood of half an inch, and from one-half to one-third through. Place a little sphagnum in the incision to keep it open, then put a small quantity of sphagnum about the size of an egg and tie it on. Place these plants by themselves so the moss can be kept moist, while the roots should be kept rather dry which will hasten the process of rooting. In about four weeks, under favorable conditions, the roots should be seen coming through the moss, when it is time to sever the tops from the parent plant and pot them. After the tops are potted they should be placed in a frame where there is a gentle bottom heat. Keep the atmosphere well charged with moisture. For a week or two they should be shaded from the sun and care exercised in watering. When the foliage is in no way limp and the plants have the appearance of sturdiness, they should be taken out and placed on a bench in a house where the temperature can be maintained near 70 degrees at night, and given frequent syringings in order to keep the air moist. Crotons can also be propagated by cuttings in a warm propagating frame.

THE PROPAGATION OF DAHLIAS

Young plants propagated from now on will give abundance of flowers. Old roots that you have under the bench can be placed on a bench where there is some bottom heat and sufficient soil scattered on the roots. The young growth will soon start. Give them a temperature of from 55 to 60 degrees. These can be cut off 3 or 4 inches long or so as to leave a joint at the base, and inserted in the propagating bed. They will soon root and should then be potted and grown on. When once established in small pots give them the fullest light and plenty of syringing to keep down thrips and spider. When well rooted in their small pots they should be shifted into 4-inch and given a house where the temperature is near 50 degrees. If you have not much room at hand you can defer this until February or March.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Abutilons*; *Acalyphas*; *Canterbury Bells*; *H drangeas*; *Odontoglossums*; The Care of Stock Left Over.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Appointments by President Asmus.

Directors, three years:
E. Allan Peirce, Waltham, Mass.; Harry A. Bunyard, New York, N. Y.

Botanist: Prof. John F. Cowell, Botanic Gardens, Buffalo, N. Y.

Pathologist: Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist: Dr. S. A. Forbes, Urbana, Ill.

Washington Representative of the Society: William F. Gude, Washington, D. C.

Tariff and Legislative Committee: John G. Esler, Saddle River, N. J., chairman; F. H. Traendly, New York, N. Y.; J. C. Vaughan, Chicago, Ill.; Patrick Welch, Boston, Mass.; J. O. Thilow, Philadelphia, Pa.; E. G. Hill, Richmond, Ind.

Committee on School Gardens: Benjamin Hammond, Fishkill-on-Hudson, N. Y., chairman; C. B. Whitnall, Milwaukee, Wis.; Michael Barker, Chicago, Ill.

State Vice-Presidents.

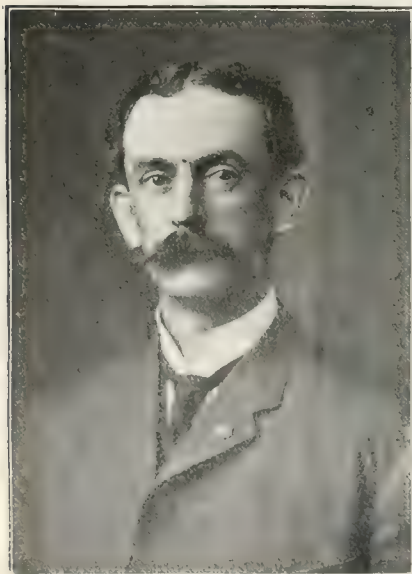
California, Edwin Lonsdale, Lompoc; District of Columbia, Z. D. Blackstone, Washington; Georgia, Daniel C. Horgan, Macon; Illinois, North, Fred Lautenschlager, Chicago; Indiana, J. F. Ammann, Edwardsville; Iowa, Theo. Dorner, Lafayette; Iowa, James S. Wilson, Des Moines; Louisiana, Harry Papworth, New Orleans; Maryland, Chas. L. Seybold, Baltimore; Michigan, East, Norman A. Sullivan, Detroit; Michigan, West, Elmer D. Smith, Adrian; Missouri, East, Fred H. Weber, St. Louis; Mis-

issippi, S. W. Crowell, Rich; New Hampshire, R. E. Hannaford, Portsmouth; New York, East, A. L. Miller, Brooklyn; Ohio, North, Frank A. Friedley, Rocky River; Ohio, South, C. E. Critchell, Cincinnati; Pennsylvania, East, S. S. Skidelsky, Philadelphia; Rhode Island, L. J. Reuter, Westerly; Tennessee, C. L. Baum, Knoxville; West Virginia, A. Langhans, Wheeling; Ontario, John Cannon, Hamilton; Manitoba, H. E. Philpott, Winnipeg; Quebec, George A. Robinson, Montreal; Alberta, A. M. Terrill, Calgary.

E. Allan Peirce.

E. Allan Peirce, appointed by President Asmus to the honor of directorship in the Society of American Florists, is a well-accredited representative of Boston floriculture. He is the son of the late E. N. Peirce, popularly known as "Farmer Peirce," and in association with his brother conducts the large plant and flower-growing business established by his father at Waverley, Mass., under the title of Peirce Bros.

Allan Peirce was born in Arlington, Mass., on May 11, 1869. He has indomitable industry, resourcefulness almost unlimited and has the qualities of persuasive leadership well developed. His hustle of last year as State Vice-President of the S. A. F., whereby he brought in a big list of new members is generally known. He is a director in the Boston Flower Exchange, the original Park Street Market. On the preparatory local work for the National Flower Show, Mr. Peirce has rendered signal service.



E. ALLAN PEIRCE
Director for Three Years.



PRESIDENT GEORGE ASMUS

Harry A. Bunyard.

Harry A. Bunyard, appointed a director in the S. A. F., is well known as a traveling man and now general manager for Arthur T. Boddington. He was born January 3rd, 1868, at Ashford, Kent, England. His father, Thomas Bunyard, was one of the sons of the old established firm of Thomas Bunyard & Sons, Maidstone, Kent, "Nurserymen, Seedsmen and Florists." At 14 years of age Harry was apprenticed in his father's business, going from there to Sander's, St. Albans—spending considerable time in the seed and orchid departments. In the Royal Horticultural Society's Gardens at Chiswick, London, he studied and worked under the late Archibald Barron—and during that time was foreman of the orchid and herbaceous departments; while here, he competed for the prize offered by the London Gardeners' Chronicle, for the best essay on "Roots and Their Work," securing second prize against nearly one hundred competitors of Great Britain.

In the year 1888, Mr. Bunyard arrived at Castle Garden as an emigrant, securing his first "job" with Peter Henderson & Co., working at their greenhouses in Jersey City; the following year he took a position with Pitcher & Manda as herbaceous foreman, becoming their first traveling man and remaining with them to their dissolution. Mr. Bunyard was the first man to sell orchids west of Chicago,



HARRY A. BUNYARD
Director for Three Years.

CLUBS AND SOCIETIES

and can tell many anecdotes of his experience along these lines; later he traveled for Clucas & Boddington Co., then again with Arthur T. Boddington, where he has been located for the past six years.

Mr. Bunyard is a life member of the S. A. F., attending in Buffalo in 1889, and practically every convention since that time. He is vice-president of the New York Florists' Club, and secretary of the National Sweet Pea Society of America, which he organized in 1909, and is an active member in many other horticultural and floricultural societies.

Mr. Bunyard believes that a man's business should be his hobby and should endeavor to educate himself along these lines. He is also a great believer in advertising. Among the other "chores" that he does at odd times is the designing of the covers for the Boddington catalogues.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Geraniums, "Panama," "White Cloud," "Ruby," "General Wooster," "Barnaby Rudge" and "Bright Eyes," by F. H. De Witt, Wooster, Ohio, becomes complete.

H. B. DORNER, Secretary.

December 29, 1910.

CANADIAN EXPRESS RATES.

Railway Commission Orders Them Cut.

Ottawa, Dec. 24.—The Canadian Railway Commission has directed the express companies of the Dominion to file lower tariff rates within three months. The commission declares that express rates are too high, and that, as the express companies are owned by the railway companies, there is no occasion for the existence of separate companies to handle the express business.

A rate reduction of at least 10 per cent. in through express traffic is ordered, local rates to be correspondingly cut. The existing form of shipment contract is ordered abolished. The commission holds in its judgment filed to-day that the present form of contract is unreasonable and designed to enable the companies to escape responsibility for shipments lost or damaged.

The commission affirms that the express companies overpay the railways for accommodations in stations and intimates that this is a convenient way of disposing of profits which otherwise might be so conspicuously large as to be inconvenient.

Describing methods of financing in various express and railway companies, the commission points out that the Dominion Express, owned by the Canadian Pacific Railway, is capitalized and pays dividends on \$2,000,000, although the railway board could find only \$24,500 cash which had ever been put into capital. In seven years the Dominion Express earned \$21,473,686 and paid the Canadian Pacific Railway \$13,409,249, or 63.9 per cent. During the same time the Canadian Express Company, owned by the Grand Trunk Railway, earned \$13,362,266 and paid the Grand Trunk \$8,467,307, or 55.5 per cent. on assets stated as \$212,719.

CONNECTICUT HORTICULTURAL SOCIETY.

Our last business meeting of the old year was held on the 30th ultimo, at the County building, with a small attendance, due partly to the holiday season. Although extremely cold weather, two of our active floriculturists risked exposing some valuable flowers; and we were favored with an exhibition of *Cypripedium insigne* by J. A. Weber, and primula and Lorraine begonia by Alex. Cumming, Jr. President Huss appointed three judges, H. L. Metcalfe, John Gerard and Francis Roulier, who awarded a diploma to Mr. Weber, and a diploma and a certificate of merit to Mr. Cumming. The following named persons joined at this meeting: W. F. Ruscoe of New Britain, Robert Hunnicks of Rockville, and T. F. Keller of Hartford.

Much valuable information was imparted by the reading, at the president's request, of three printed articles,—one by Charles Thos. Beasley, of Norwich, on the culture of the Begonia Gloire de Lorraine; one by Edgar W. Ela, of Woburn, Mass., from the "Dahlia News," on the wintering of dahlia roots; and one by "Jayheff," of Salem, Mass., from the same source, on another way of wintering roots. These papers led to a helpful discussion, and it was suggested that the next meeting of our society be specially devoted to making up a schedule of addresses to be made and papers to be read at the coming new season's meetings. Secretary Smith promised a paper on the subject of the pear, and Mr. Weber one regarding poinsettias. Other voluntary contributions of this kind are expected.

We start the new year with a membership of 182, with constantly increasing interest in our work, with a harmonious membership, and with great expectations that 1911 will bring us the best and most profitable year in our history.

GEORGE W. SMITH, Secretary.

Melrose, Conn., Jan. 3, 1911.

AMERICAN GLADIOLUS SOCIETY.

President Hendrickson has appointed the following committee to investigate the diseases of the gladiolus, each member to work in connection with the experiment stations in the different states:

New York—Arthur Cowee, Berlin, N. Y.
Ohio—M. Crawford, Cuyahoga Falls, O.
Wisconsin—H. H. Bridge, Lake Mills, Wis.
Massachusetts—L. Merton Gage, Orange, Mass.
Indiana—E. Y. Teas, Centerville, Ind.
Michigan—C. H. Ketchum, South Haven, Mich.
Connecticut—B. F. White, Terryville, Conn.
Iowa—G. D. Black, Independence, Iowa.
New Jersey—I. Leonard, Iona, N. J.
California—Dr. W. Van Fleet, Chico, Cal.
Illinois—H. B. Dörner, Urbana, Ill.
L. MERTON GAGE, Sec.

The next meeting of the Rochester (N. Y.) Florists' Association will be held in its regular meeting room on the evening of January 9, at which time election of officers for the ensuing year and other important matters, besides light refreshments, will be attended to. Everybody come.

PERPETUAL FLOWERING CARNATION SOCIETY.

At the exhibition of the Perpetual Flowering Carnation Society in London, December 13, the American Carnation Society offered a challenge cup for three vases of a dozen blooms each of novelties raised in America, the cup to be held by the winner for one year. W. E. Wallace, Eaton Bray, Bedfordshire, was the winner with Dorothy Gordon, May Day and Pink Delight; C. Engelmann took a second prize. The Covent Garden Bowl Trophy and a silver gilt medal was offered as the first prize for two varieties of market carnations, 60 flowers of each variety, 36 to be shown in two vases and 24 in two boxes each, as packed for market. Mr. Wallis was first with Pink Delight and White Perfection; C. Engelmann second, with Regina and Carola.

F. Dorner & Sons Co., La Fayette, Ind., U. S. A., offered special prizes for 12 blooms of Scarlet Glow, and first prize, was awarded to W. E. Wallace; second and third went to G. Lange and E. Engelmann.

It was stated in the report read at the annual meeting held in the evening that "A practical working arrangement has now been matured between the honorable secretary of the Perpetual Flowering Carnation Society and the secretary of the American Carnation Society, with a view to preventing the duplication of names in either country, and of affording mutual information of interest to growers on both sides of the Atlantic."

THE FLORISTS' CLUB OF PHILADELPHIA.

S. S. Skidelsky was the star attraction at the meeting of the club held on the 3rd inst. Another attraction was an excellent lunch for the members in lieu of the usual New Year's Day fest. Mr. Skidelsky's subject was "Are We Progressive," and he handled this flexible proposition in his usual able manner. We hope to find room in our columns for this valuable contribution to current thought at an early date. J. Otto Thilow, as chairman of the committee on essays and publication, made interesting announcement of many able speakers for the coming months. William H. Taplin will appear in February on "Carnations of Today" and A. H. Wohlert in March on "Landscape Gardening." Z. D. Blackstone is on the list for a talk on "Special Sales for Retail Florists." Xavier E. Schmitt of the Park Department and Mrs. Smith, the violet grower, are also to be heard during the year—the dates to be announced later. Adolph Farenwald enlivened the meeting by accusing many of our large growers of producing calico when the public wanted silk—thereby swamping the market. To judge from the tone of indignation on this state of affairs calico ought to be a penitentiary offence.

The executive committee of the National Sweet Pea Society of America will hold its annual meeting early this month at the Hotel Astor, New York City. W. Atlee Burpee will preside.

Obituary.

Fred Dörner.

The death of this eminent carnation raiser, as recorded briefly in part of our edition of last week, is a severe loss to floriculture and the news will be received with profound regret throughout the world and keenest sorrow among those who have been closely associated with him in the American Carnation Society and in other organizations and business life. Fred Dörner was held in high esteem as a man of strict integrity, possessing manly qualities and companionable traits that endeared him to his business associates and fellow citizens as well as abilities in his chosen profession which brought him honor not only at home but abroad.

Fred Dörner was born in Baden, Germany, November 29, 1837. He came to Lafayette, Ind., when 18 years old and obtained employment for a time with a florist named Lloyd. He followed farming for a period and started as a florist in Lafayette in 1870, renting some greenhouses on Underwood



FRED DÖRNER

street. In 1875 he moved to Indiana avenue, moving in 1889 to a new location and in 1905 had a modern establishment of over 100,000 ft. of glass. He died on Thursday, December 29, after a week's illness of pneumonia. He had been, however, in poor health ever since last winter.

It was in 1892, we think, that Mr. Dörner first attracted attention to his abilities as a carnationist, when he exhibited at the A. C. S. first annual meeting in Buffalo, a sensational group of seedlings. From that time he was a constant worker in that organization and was elected its president at the meeting in Boston in 1895, presiding at New York the following year. The number of his introductions was large and it is needed only to name a few of them—such as Mme. Diaz Albertini, Mrs. G. M. Bradt, William Scott, Storm King, The Stuart, White Cloud, Lady Bountiful, Red Chief, Winona and Pink Delight—to indicate the tremendous influence Fred Dörner's productions have exerted on the florist trade wherever an American carnation is grown or used.

John J. Gormley.

The Chicago retailers lost one of their best known men when John J. Gormley passed away early Saturday morning, Dec. 31st, 1910. Three weeks only had he been out of his store, known as Canger & Gormley's at 29 State street, and while it was thought that his ailment was a serious one his death was a surprise to his family and friends. But a few hours previous to his death he was reading his favorite poems by Robert Burns while sitting in his accustomed chair and listening to the Scotch airs which he requested his daughter to play on the piano.

John J. Gormley was born in the north of Ireland, Sept. 3, 1863, and when twelve years of age came to Boston to work for his uncle, John Gormley, then one of the leading florists of that city. Just previous to the World's Fair he came to Chicago and for many years was manager for the E. Weinhoeber Co., going into business for himself about seven years ago. He was considered one of the most expert decorators in Chicago and was a genial, whole-souled man, a favorite with all. The funeral was under the auspices of the Royal League, Sunday at 2 o'clock, and interment was at St. Boniface Cemetery. All the old florists were represented and the floral offerings were unusually many and beautiful. The casket was covered with Beauties sent by his partner, Mr. Canger, and white roses by E. Weinhoeber.

Mr. Gormley leaves a widow and two daughters, Helen and Mary.

Louis Muth.

Louis Muth, retail florist at Fifth street and Fairmount avenue, Philadelphia, died of typhoid fever on December 28th, at the age of about 35 years. He had been four years in business at that location, succeeding Albert Knapper. Previous to that he worked for eleven years for Habermehl. Mr. Muth was an expert decorator. He leaves a wife and one boy.

The Late Uhei Suzuki.

When the death notice of Uhei Suzuki appeared in your paper, some people in the horticultural line knew that the founder of the Yokohama Nursery Co. had passed away, but very few realized who the man really was, what he had achieved and how greatly horticulture is indebted to him in Japan, the United States and Europe.

Born in some country place in Japan, he came to Yokohama a poor country fellow. All he could call his own was a wife, a boy—Bunzo—and a few of those famous dwarf trees, which long years after became the admiration of our people here and were bought at marvelous prices, when brought here for the first time. He became head gardener to some English nobleman residing in Yokohama, who was a lover of Japanese gardens and horticulture.

The gold banded lily (*L. auratum*), although they were admired by the Japanese on account of their gorgeous flowers, were chiefly valuable at that time as a vegetable, the bulbs being boiled and preserved in sugar. A German—Louis Boehmer—settled in Yokohama and started to export some of them to Europe where

they created quite a sensation on account of their beautiful flowers. The demand increased, although high prices prevailed because the largest part of the shipments generally reached their destination in rotten condition. Mr. Boehmer engaged Mr. Suzuki as his buying agent and they began to export, besides *L. auratum*, *L. speciosum album*, *rubrum* and *Melpomene* in large quantities.

That was at the time of Japan's awakening, but foreigners were still restricted to the boundary lines of the seaports which were opened to foreign trade. Wide awake Suzuki saw with a sharp eye the future possibilities for a new trade and urged the Japanese farmers who heretofore had made a bare living to take up the cultivation of lily bulbs, which up to then had mostly been gathered wild. By degrees one after the other followed his advice and the price paid for the bulbs was such that the Japanese could not afford any longer to use them as a vegetable. Then came the time when Mr. Suzuki saw in the Japanese *Lilium longiflorum*, a good substitute for the Bermuda grown *Lilium Harrisii*, for which there was an



JOHN J. GORMLEY

increasing demand. He severed his connection with Boehmer Co. and started the Yokohama Nursery Co., buying up property on the Bluff in Yokohama, which today is considered the most exclusive neighborhood and mostly settled by foreigners. There he created his gardens which are now among the greatest attractions of Yokohama. Some of the first American visitors were the late Dr. Smith, father-in-law of Wm. F. Dreer, and John T. Morris of Philadelphia. Mr. Morris visited the gardens first and induced Dr. Smith to see them also and both gentlemen bought several thousand dollars' worth of plants which surprised Mr. Suzuki so much that he had doubts whether their checks on the Hongkong and Shanghai Banking Corporation would be honored. Mr. Morris started the first Japanese garden in this country which is still considered the best. Some years after Mr. Dreer took a trip to Japan and became one of the first trade customers of the Yokohama Nursery Co. on a large scale. Mrs. Berger of H. H. Berger & Co., San Francisco, followed

and later J. K. M. L. Farquhar of Boston. In the meantime Bunzo Suzuki, the oldest son who had come over to the states to study horticulture, had opened a branch office in New York and became very well known and highly regarded in the American and European trade. After he retired some years ago his brother, Hamakichi, who had been his father's assistant came over to America and Europe to look after the interest of the company. He is now the head of the concern and as he inherited all the excellent qualities of the deceased there is no doubt he will be quite as successful.

There is no man who did more to exploit Japanese horticulture commercially than the deceased and he can be called the Japanese pioneer in this line. Through his efforts horticulture trade became what it is now, a valuable asset in the Japanese trade balance. He was a captain of horticulture and won an everlasting victory for his country. C. L.

CHICAGO NOTES.

A car load of southern smilax was used at the decoration of the Auditorium for the Charity ball.

Several shipments of the Wittbold Watering System have lately been made to the Philippine Islands.

John Starret had the largest decoration yet at the La Salle hotel for the New Year's Day. 500 tables all done with Kallarney roses made some work.

The many friends of John J. Gormley of Canger & Gormley learned with regret of his death on the closing day of the year. Further notice is given in the obituary columns.

The unusual state of the glass market is again causing some large sales among the local growers, and some will build more extensively next year than they had previously planned.

D. D. Johnson of the Evergreen Brand Fertilizer Co. is on a business trip this week. Though not the time for fertilizers to be most in demand, still quantities are used by the under-glass gardeners and there is no really dull season in this line.

Phil Schupp states that the rumor that the J. A. Budlong Co. will leave their present quarters in the Atlas Block is incorrect. They are crowded and their constantly increasing business really demands more room, but the present location he considers too desirable to leave.

A severe storm swept over the city Jan. 2nd and many florists were greatly inconvenienced by delayed trains. On the 3d three of the through trains on the Rock Island were tied up by deep snow west of Des Moines, Ia. Shipments of flowers were also delayed by overtaxed express cars during the holiday week. Southern shipments suffered most.

The Chicago Carnation Co. will give a free excursion to their plant at Joliet, Ill., on Wednesday, Jan. 11, 1911. The train will leave the La Salle Street station over the Rock Island at 11.45 A. M. Manager Pyfer extends the invitation to anyone interested in carnations to inspect this plant, where the best of the old varieties are grown as well as the choicest new ones, conspicuous among which is their Washington, which has made a fine record. Also, among the new ones, they are growing Dorothy (Gor-

don, Scarlet Glow, Shasta, Sangamo, Conquest and others. The Chicago Carnation Co., since opening the Chicago office has greatly increased its volume of business.

Chas. McKellar is the latest Chicago florist reported to be suffering with blood poison as the result of handling plants and flowers. A few weeks ago we reported nine cases as receiving treatment at the Cook Co. Hospital within a month. Mr. McKellar did not cut his hand but the skin was broken or "chapped" and the poison, supposedly from the chemicals used in spraying, infected two fingers of the right hand. This week the left hand is also swollen and very painful.

Wm. J. Smyth has had an unenviable experience with his large plate glass store windows three years in succession. This time it was on the day following Christmas when an automobile crashed into the window on the Michigan avenue side, demolishing it and ruining the plants. The loss was met by insurance and the new glass is now in. Mr. Smyth's store, which is one of the finest in the city is at the corner of 31st street and Michigan avenue, and in spite of a board walk which ought to give ample protection automobiles find it hard to resist the attraction the store possesses. Two years ago the same thing happened on the 31st street side and the auto came into the store. One year ago during a severe storm the Michigan avenue window blew in but Mr. Smyth boards up the window and goes on selling flowers with the good nature characteristic of the man.

Personal.

Post. Choles, of Louis Russo's, Madison, Wis., was among the week's visitors.

Clifford Pruner has just returned from a business trip to St. Louis, Mo., in time to be drawn as a juror.

Among the salesmen starting out from here for the new year was J. J. Karins of H. A. Dreer's, Philadelphia, on his way to the Pacific coast.

Harry Nicholson of the Chicago Car. Co., is calling on the trade in the East. He will visit Boston and Framingham, Mass., where his father, Mr. Nicholson, resides.

Miss Frances Brundage spent a portion of the holidays with her sister in Missouri and found the Xmas there a decidedly green one, no snow and the weather warm.

W. C. Johnson of the E. H. Hunt Supply House is back from the Gulf coast where he found business to be good. This firm report the year's business to surpass that of any previous years.

PHILADELPHIA NOTES.

Samuel S. Pennock reports very few oranges this year from his fruit ranch in Florida. Too bad!

Jasminum grandiflorum, an old and sweet-scented favorite greenhouse plant, is seen in fine shape at Pennock Bros. at present. This comes from the Colflesh greenhouses and is much esteemed in the cut flower trade.

Paul F. Richter of the Henry F. Michell Co. has been enjoying a well-earned vacation at Pinehurst, Florida, and has just returned to business feeling much refreshed and invigorated after his brief sojourn in the sunny south.

J. D. Nevius, known the country over as a chicken authority, will give a lecture at Michell's on the 23rd inst. "The Importance of Poultry Raising" to the gardener, florist, suburbanite and farmer, will be the title of his subject.

The Joseph Heacock Co. will open wholesale cut-flower headquarters in the premises lately occupied by Edward Reid on Ranstead St., above 15th. It is reported that this move is solely for the purpose of better serving the customers of this extensive growing establishment with large plants from Wyncote and Roelofs.

Among the distinguished new members elected to membership in the Florists' Club at its meeting on the first Tuesday of February, 1911, were the following: D. S. Adams, late of J. M. Thornburn & Co.'s; H. Wintzer, of Henry A. Dreer's; G. W. Hampton, of H. F. Michell's. If any of our contemporaries can beat us in getting the news in "on time" let them try to beat that item. We give the news "red-hot" every time.

Things are happening at Michell's these days. The latest live item is the engagement for this house of D. S. Adams, late of J. M. Thornburn & Co.; H. Wintzer, late of Henry A. Dreer's, and G. W. Hampton, the latter of whom we briefly mentioned last week. We look for much good work from these gentlemen—not only for the good of their house but for the trade in general.

We had the pleasure of a call from A. N. Pierson of Cromwell, Conn., on Wednesday. He brought with him three big vases of three of his rose specialties for 1911, Lady Cromwell, Prince de Bulgarie and Dark Pink Killarney. These varieties are very distinct and beautiful and created much interest in the trade here. We append a few notes in connection with these which our readers will be glad to peruse:—

Lady Cromwell—a sport from My Maryland originating at Mr. Pierson's place at Cromwell, Conn., about two years ago. Shell pink on the outside shading deeper to the center. During the hot weather Mr. Pierson says the dark center is not so pronounced and the whole flower is then a self of most charming shade like a Safrano or Sunset but a much larger flower.

Prince de Bulgarie (Pernet-Ducher 1902)—name being lost it was sold as Mrs. Taft until Mr. Pierson found out its real name by having an expert French rosarian grow fifty plants for purpose of identification. A lovely shell pink deepening to the center, beautiful formation, full, many petaled. Mr. Pierson says that for ten months in the year it is one of the best roses he has ever grown. Perfect in stem and foliage.

Dark Pink Killarney—This is so distinct and lovely a flower that it is eminently worthy of a more distinctive name. The under side of the petal is claret with lighter silver-shaded reflex. Originated at Montrose Greenhouses, Montrose, Mass. Mr. Pierson says this variety is especially brilliant in coloring during the winter months when the parent Killarney is so variable and often unsatisfactory.

Visitors this week: A. N. Pierson, Cromwell, Conn.; J. P. Brazleman, New Castle, Indiana; P. Joseph Lynch, West Grove, Penna.

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FERNS 2½ in. Pots

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BOSTON	\$3.00	\$25.00
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All standard varieties, \$2.00 per 100; \$15.00 per 1000.

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NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

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AN ARAUCARIA excelsa, 6-in. pots, 4, 5, and 6 tiers, 20 to 25 inches high, big as an Elephant, for only 75c. As big as a Jumbo for only \$1.00. As big as a Holy Terror for only \$1.25 to \$1.50.

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KENTIA Belmoreana and Forsteriana, 6 and 7 inch pots, 25 to 50 inches high at 75c. and \$1.25, \$1.50 to \$2.00.

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Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated. Trade pkt. 50c., \$2.00 per oz.	

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Scandens, H. P. Blue\$0.10	\$0.30
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Erinus gracilis, trailing; light blue\$0.15	\$0.40
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Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select pikes under glass. Trade pkt. 60c., 1/4 oz. \$1.00, per oz. \$7.50.

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Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60c., trade pkt. \$1.00.

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Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 5 pkts. \$1.00\$0.25

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	Trade pkt.
Emperor, Single. Large blossoms distinct in form, coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped50
Howard's Star. Rich crimson, with a distinct white star in center	.....25
Rosy Morn. Soft carmine pink25
Snowstorm. Pure single white25
Hybrida, Single Mixed. Oz. 50c.15

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	Trade pkt.	Oz.
Aureum (Golden Feather)\$0.10	\$0.25
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	Trade pkt.	Oz.
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Clara Bedman (Bonfire). 1 1/2 feet\$0.25	\$2.00
Splendens (Scarlet Sage)25	1.00
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Splendens, Little Lord Fauntleroy. Neat and compact, upright and free flowering 1/4 oz. \$2.0050	
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¶ The Japanese children now study English in many schools in Japan and in the course of time it will not be so difficult to get together. Perhaps then we can go into the bulb fields and talk English to the growers. It can't be done now however and it takes a well educated Japanese to be a successful bulb merchant. Mr. Arai is one of the ablest men in the business; a man conversant with all the ins and outs; the people; their products; and the value of a lily bulb from A to Z. He is personally in the fields much of the time and among the growers all of the time. Horseshoe Brand lily bulbs are marketed under his personal supervision and they are the choicest from the Orient.

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A BLUE ROSE

The Greatest Rose Novelty of the Century

It flowered with us this season and was greatly admired.

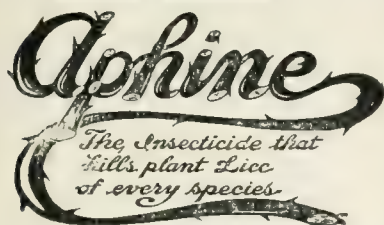
The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.



READ WHAT EXPERTS SAY OF APHINE

HORTICULTURE, Dec. 17, (page 862) on
"Fruit and Vegetables Under Glass."

HORTICULTURE, Dec. 24, (page 899) on
"Care of Palms and Foliage Plants."

AMERICAN FLORIST, Dec. 24, (page 1094) on
"Violet Culture."

FLORISTS' EXCHANGE, Dec. 24, (page 1166) on
"Beneficial Sprays for 'Mums, Carnations
and Palms."

\$2.50 per gallon—\$1.00 per quart.

FUNGINE

An infallible fungicide for mildew and other fungus diseases. Particularly adapted for greenhouse purposes. A clean, safe and easily applied spraying material which does not stain the foliage.

\$2.00 per gallon — 75c per quart

SOLD BY SEEDSMEN.

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

NEWS NOTES.

Babylon, N. Y.—A. W. Warren is now superintendent of the Howell Carnation Co.

Clarkston, Wash.—The Vineland Nurseries Co., which recently took quarters here for grafting and storing purposes are preparing over 500,000

1911 NEW and RARE SHRUBS and VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

DAHLIA ROOTS

Whole Field Clumps—At \$5.00 per 100 and up. 1000 in to distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$40.00 cash.

CANNA ROOTS

Strong Division, —At \$2.00 per 100, \$12.00 per 1000 and up. Send for List.

R. VINCENT, Jr. & SONS CO. White Marsh, Md.

roots, having a full crew of men at work.

Fennville, Mich.—J. E. Hutchinson and Henry Lamb have organized the Sanocide Spray Co., which firm proposes to manufacture a lime and sulphur composition. The plant will have a capacity of 300 barrels per day.

Seed Trade

Steps Retraced.

The action of Messrs. Theodore Cobb and E. C. Dungan in leaving J. F. Noll & Co., was a surprise to very many in the trade. A few there were, who were not very much surprised and as a matter of fact, claim that they expected this all along, but they are probably in the class of "I told you so" who generally are very accurate prophets after the thing has happened. It is generally known that Mr. Cobb is back with his old house, D. M. Ferry & Co., while Mr. Dungan has returned to the shelter of his old friend, William Henry Maule. With reference to the business of J. F. Noll & Co., we are informed that it will be continued as heretofore, under the direction of Mrs. Noll and her brother-in-law, Robert, or Bob as he is familiarly known.

A Troy Failure.

The recent assignment of Josiah Young, the Troy, N. Y., seedsman and florist, just at the beginning of the current business season, has caused some little surprise although among those familiar with conditions but it has been anticipated for some time. It is generally reported by those best qualified to express an opinion, that Mr. Young has been steadily losing money for a period of several years and that on one or two occasions, his losses were quite heavy. It is unfortunate that he could not have turned his losing streak into a winning one and made a success of his business and he will generally have the sympathy of those who know him best. We are informed that his liabilities are something about \$20,000 while his available assets are not considered sufficient to pay more than 25 per cent. on the dollar. There seems little likelihood of a reorganization and continuation of the business and it will doubtless be wound up as soon as the stock on hand can be disposed of. What Mr. Young's plans for the future are, we have not been informed but wish him success in whatever line he may decide to embark.

Sweet Corn.

For some time, there have been rumors of damage to the sweet corn crop of the country, particularly from Ohio. Just how serious this is going to prove we are unable to say but judging from the quotations that are freely made by the Connecticut and other growers of seed corn, we take it that the damage is not very serious or that Ohio is not a very important factor in this branch of the seed business which, if correct, will be something of a shock to the Ohio corn growers who have generally thought they would put the handle on the whip.

Pea Prices Maintained.

Both seedsmen and canners are contracting liberally for seed peas of the 1911 crop and as a general rule, the seed growers are drawing about the prices originally fixed. There have



The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS

STOCKS	
	Tr. pkt. Oz.
Beauty of Nice, pink,	50c \$2.00
Queen Alexandra, lavender,	50c \$2.00
Victoria, pure white,	50c \$2.00

BEGONIA GRACILIS	
	Tr. Pkt.
Rosea, pink,	\$0.30
Luminosa, scarlet,	0.40
Alba, white,	0.30

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co.,

518 Market St., PHILA., - - PA.

been some slight modifications of the first quotations which, of course, is inevitable because of the fact that prices of the leading responsible growers must of necessity be somewhere nearly uniform and, as each grower starts out independently without any definite knowledge of what his competitors are doing, he only learns after he has called on the trade and hears the quotations of others in his line. As a whole, however, both canners and seedsmen have paid the advanced prices with less grumbling than seemed possible early in the season. They have doubtless been educated to appreciate the fact that not only are seed stocks short but that the advanced prices which the seed growers are compelled to pay their farmers necessitates an advance over last year's figures and as the market is virtually bare even at this early period, consumers are making liberal provisions for next year's requirements. Should the growers be able to deliver practically full on on next season's contracts, there will be a considerable shrinkage in the orders which will be placed another year, as it is very well known that the seedsmen at least are ordering largely in excess of actual requirements to anticipate the annual and increasing shortage.

Notes.

Springfield, Mo.—The Diamond Seed Co., a new concern capitalized at \$25,000 is to be located here. W. J. Wood is president.

Kendrick, Ida.—W. W. Tracy, Jr., will grow vegetables and flower seeds for the wholesale trade on a farm recently purchased near here.

San Diego, Calif.—The Harris Seed Co. has decided to move into the old Post Office Block on F street, owing to increased business in their seed and nursery department. They will equip a sales yard for fruit trees as well as ornamental trees and plants.

Coffeyville, Kans.—It is stated that the Binding-Stevens Seed Co., of Tulsa and Muskogee, Okla., are anxious to open another branch, and are considering Coffeyville very favorably. If a suitable site can be se-

cured and prospects are favorable they will open it early this year.

We are informed that Curtis Nye Smith of Boston, attorney for the American Seed Trade Association, has secured a hearing on the Mann Seed Bill before the committee on Interstate and Foreign Commerce at Washington, D. C., on January 17.

McHutchison & Co., the horticultural importers, recently received on two steamers within 24 hours, shipments of lily of the valley pips totaling 1,033 cases—all consigned by Aug. Bitterhoff Sohn, Berlin, Germany, for re-forwarding. Mr. McHutchison says that deliveries of valley pips are generally good this season, though the crop is short—not enough to go around. Prices are high and are continually advancing in Germany upon high grades.

Prospects for next season are that the crop will be smaller than usual—the demand larger than usual with a higher range of prices prevailing and an unceasing demand for high-grade pips. Notwithstanding reports to the contrary, the highest grade of pips that Germany produces are now being shipped to this country; medium grades go to Russia and Europe and the poorest are used almost exclusively in Germany.

Jack Frost Mats

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS,

42 Vesey St., New York

For Sale

1000 lbs surplus Onion Seed 1910 crop

N. J. WESTERMAN

Contract Onion Seed Grower

BUECHEL, . . KY.

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.;	Ounce, \$5.00
Finest Mixed	" " 60c.;	" 4.00
Crimson	" " 60c.;	" 4.00
Canary Yellow	" " 60c.;	" 4.00
Dark Blue	" " 60c.;	" 4.00
Deep Blood Red	" " 60c.;	" 4.00
Apple Blossom	" " 60c.;	" 4.00
Rose	" " 60c.;	" 4.00
Light Blue	" " 60c.;	" 4.00
Scarlet	" " 60c.;	" 4.00

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND

WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters

228-230
W. KINZIE STREET CHICAGO

CYCLAMEN PERSICUM GIGANTEUM "BERGLINDEN STRAIN"

New Crop Just Received, Cannot Be Equaled
in This Country

Mont Blanc, pure white, Atropurpureum, Superbum, white with dark eye, Roseum, Rose V. Marienthal, Salmon-eum, Lilacinum, beautiful lilac, 60c. per 100, \$5.00 per 1000 seeds; Rococo, extra large fringed, 75c. per 100, \$6.00 per 1000 seeds.

VALLEY PIPS

Just In

Quality Special Best Forcing Grade
Price per 1000, \$12.00, in cases of 2000
Pips.

Also all other flower seeds and bulbs for florists

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

An UP-TO-DATE SEED CATALOG

Aggeler & Musser's 144 page, 1911 Seed Catalog Has Just Been Received.

The Lithograph cover is a work of art. And the 144 pages are full of information valuable to the RANCHER or GARDENER, particularly to the beginner. If you have not received their Catalog be sure and send for it at once.

AGGELER & MUSSER SEED CO.
113-15 No. Main St., Los Angeles, Cal.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; ¼ oz. \$1.50; 1 oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. Wholesale list now ready.

S. D. WOODRUFF & SONS,
82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Established 1820

**Thorburn's
Bulbs**

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

REAL BARGAINS

Per 100 lbs.	Per 100 lbs.
White Kaffir Corn, \$1.50	Vel. Bird Millet, \$1.75
Fan. Hemp Seed, \$2.75	Bird Vetches, \$2.25
Sicily Canary Seed, \$2.62	Red Bird Millet, \$2.55
Ger. Bird Rape, \$3.50	Per Bush.
	Can. Field Peas, \$1.50

Terms 1 per cent—10 days 60 days net

All in original bags weighing 250 lbs. which are weighed in.

J. Bolgiano & Son,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWEDE, TURNIP
LILY OF THE VALLEY PIPS
HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In Writing to Advertisers
Kindly Mention "HORTICUL-
TURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Sioux City, Ia.—The stock and fixtures of the flower store in the Oxford hotel have been transferred from R. E. Rathbun to L. C. Stevens.

St. Louis, Mo.—Otto Sanders has taken over the store at 915 Oliver street. He was formerly in the Maryland hotel building.

Washington, D. C.—Alex. S. Sawyer is now with F. H. Kramer. He was formerly manager of the conservatory of the Washington Floral Co. at 14th street.

Detroit, Mich.—1910 passes away with a whirlwind finish and, while the last few months may have been very trying because of the prevailing high wholesale prices, the public have been nevertheless very liberal in their pa-

STEAMER DEPARTURES

American.

Oceanic, N. Y.-S'hampton...Jan. 7

St. Paul, N. Y.-S'hampton...Jan. 11

Anchor.

Furnessia, N. Y.-Glasgow...Jan. 7

Atlantic Transport.

Minnewaska, N. Y.-London...Jan. 7

Minneapolis, N. Y.-London...Jan. 14

Cunard.

Ivornia, Boston-Liverpool...Jan. 17

Carmania, N. Y.-Mediter'n'n...Jan. 7

French.

La Provence, N. Y.-Havre...Jan. 19

Hamburg American.

Pres. Lincoln, N. Y.-H'm'burg...Jan. 14

Holland-American.

Holland America—Gth centre

Potsdam, N. Y.-Rotterdam...Jan. 17

North German Lloyd.

Berlin, N. Y.-Mediterranean...Jan. 7

F. Der Grosse, N. Y.-Bremen...Jan. 14

K. Wilhelm, N. Y.-Bremen...Jan. 17

Red Star.

Finland, N. Y.-Antwerp...Jan. 11

White Star.

Oceanic, N. Y.-S'hampton...Jan. 7

Laurentic, N. Y.-Liverpool...Jan. 14

St. Paul, N. Y.-S'hampton...Jan. 11

Cedric, N. Y.-Mediterranean...Jan. 11

tronage. There was practically no stop in the business rush since Christmas. Bright cold weather would help us a great deal now but nevertheless the natural slackening up of the demand will bring the supply of cut flowers and flowering plants nearer to the mark needed than it was in the past. Best wishes of the season to the trade at large and especially to HORTICULTURE, which so justly deserves the full confidence of reader and advertiser because of its untiring efforts to produce a clean, interesting and very educational weekly. F. DANZER.

Washington. — The unseasonably high temperature with which the New Year entered, accompanied by an almost three days continuous rain, brought the high prices which prevailed during the Christmas season, tumbling down, down. While the supply is decidedly in excess of the demand as yet, the retail florist is not like one who labors without hope. Should the promised fair weather prevail during the remainder of the week the numerous social affairs on the list will clean up all good stock. There has been an unusual demand for lily of the valley, considering the state of the market, but it was

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplur.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Flower Deliveries

For Cape Cod, Martha's Vineyard and Nantucket.

H. V. LAWRENCE

Falmouth, Mass.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition—fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.
253 LAKE STREET KENDALLVILLE, IND.

Selling Merit! Intrinsic Value!

These are the qualities we promised you in our Holiday Goods. The record shows the result—**The Biggest December Business We Ever Did**—and now we are ready to take care of your mid-season wants. Quality and Price are our strong points. **We have no competitors.**

SEND FOR LIST OF GOOD SELLING SUPPLIES

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

equal to the demand. The only noticeable shortage in anything has been in violets; several violet growers around Washington expect an almost total loss of their crop. As at Christmas, azaleas and begonias led in favor as pot plants for New Year's, but the prices dropped materially.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., **SEATTLE, WASH.**

Orders given prompt attention.

W. R. GIBSON, Mgr.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

ST. LOUIS NOTES.

A big consignment of double violets sent by an eastern firm came in on Monday morning, December 26, and the express company sold them to down-town florists to pay charges.

Ostertag Bros. have a big force at work in the Coliseum decorating for the Metropolitan Opera season, an event which should cause a demand for first-class flower stock of all kinds.

The appointment of Fred H. Weber as state vice-president for eastern Missouri will be well received by the local trade as Mr. Weber is a hard worker in behalf of the S. A. F., and the local Florist Club.

Fred J. Ammann caused quite a commotion among the residents of Edwardsville on Christmas by delivering all his plants and flowers in an undertaker's wagon, his own flower wagon having broken down and the residents thought from the many stops made by the wagon and unloading of flowers that an epidemic had taken place in their city.

The Alexander Floral Co., recently organized and purchased from George Waldbart four acres of ground on the Olive street road near the North and South road and have now installed Mr. John Weinderli as manager. They have started to build a new King Construction house, 25 x 150. Mr. Weinderli says that the company will build a large range this spring and start growing roses for this market, something that is needed here very much.

NEW FLOWER STORES.

Chester, Pa.—Steve Poryzees.

Stroudsburg, Pa.—J. Howard Stone, 503 Main street.

Joliet, Ill.—Joseph Labo, Clinton & Ottawa streets.

Philadelphia, Pa.—The Atlanta Florist Store, 1123 Girard avenue.

Longmont, Colo.—The Cannon Flower & Seed Co., 442 Main street.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1708 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons.
Miami and Gratiot Aves.

Falmouth, Mass.—H. V. Lawrence.

Kansas City, Mo.—Samuel Murray, 913 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Talby.

VALLEY

Extra Fine Stock - Big Value
\$3.00-\$4.00 per 100

SWEET PEAS

\$1.00 per 100

Long stems. White, pink
and lavender.

WHITE LILAC

\$1.25-\$1.50

per bunch

BEAUTIES

You will find our Beauties of excellent quality. It
will pay you to telegraph us before placing your order.

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your
product

want a regular or special supply
of the product of the best
growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Job-
bers of Florists' Supplies, Seeds and Bulbs.
Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

Rice Brothers

Wholesalers of Cut Flowers and
Florists' Supplies

Minneapolis, Minn.

In ordering goods please add "I saw
it in HORTICULTURE."

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO		TWIN CITIES		PHILA.		BOSTON	
	Jan. 3		Dec. 23		Jan. 3		Jan 5	
ROSES								
Am. Beauty, Fancy and Special...	35.00	to 50.00	85.00	to 100.00	35.00	to 50.00	50.00	to 60.00
Extra	30.00	to 35.00	60.00	to 80.00	20.00	to 30.00	25.00	to 40.00
" No. 1	20.00	to 30.00	40.00	to 60.00	15.00	to 20.00	10.00	to 15.00
" Lower grades.....	10.00	to 20.00	20.00	to 40.00	10.00	to 15.00	6.00	to 8.00
Bride, 'Maid, F. & S.	6.00	to 8.00	10.00	to 15.00	8.00	to 10.00	6.00	to 8.00
" Lower grades.....	2.00	to 5.00	6.00	to 10.00	4.00	to 6.00	4.00	to 5.00
Killarney, Richmond, Fan. & Sp.....	10.00	to 15.00	15.00	to 20.00	15.00	to 20.00	10.00	to 16.00
" Lower grades.....	4.00	to 8.00	10.00	to 15.00	4.00	to 6.00	4.00	to 6.00
Maryland, Chateau, Fan. and Sp.....	10.00	to 15.00	10.00	to 15.00	10.00	to 15.00	6.00	to 10.00
" Lower grades.....	4.00	to 8.00	6.00	to 10.00	4.00	to 6.00	4.00	to 6.00
CARNATIONS, First Quality..								
" Ordinary.....	2.00	to 3.00	6.00	to 8.00	5.00	to 5.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	100.00	to 120.00	.....	to 75.00	50.00	to 60.00
Cypripediums.....	10.00	to 15.00	20.00	to 30.00	.....	to 15.00	.....	to 12.00
Lilacs, Longiflorum.....	12.00	to 15.00	12.50	to 15.00	.....	to 15.00	8.00	to 10.00
Lily of the Valley.....	3.00	to 4.00	4.00	to 5.00	3.00	to 5.00	2.00	to 4.00
Violets .....	.75	to 1.00	1.50	to 2.00	1.00	to 1.50	.50	to .75
Daisies.....	1.00	to 1.25	.....	to 2.00	2.00	to 3.00	.....	to 1.00
Snapdragon.....	.....	to 1.00	.....	to 1.50	1.50	to 2.00	6.00	to 8.00
Sweet Peas.....	.75	to 1.00	2.00	to 2.50	1.00	to 1.50	.50	to 1.00
Roman Hyacinths, Paper Whites	2.00	to 4.00	.....	to 3.00	.....	to 4.00	1.00	to 1.50
Gardenias.....	35.00	to 50.00	40.00	to 50.00	25.00	to 40.00	30.00	to 40.00
Adiantum .....	.75	to 1.00	2.00	to 15.00	1.00	to 1.50	1.00	to 1.25
Smilax	12.00	to 15.00	16.00	to 20.00	15.00	to 20.00	8.00	to 10.00
Asparagus Plumosus, strings (100).....	50.00	to 60.00	60.00	to 70.00	50.00	to 75.00	to 50.00
" " & Spreng. (100 brhs).....	35.00	to 50.00	25.00	to 35.00	to 50.00	to 34.00

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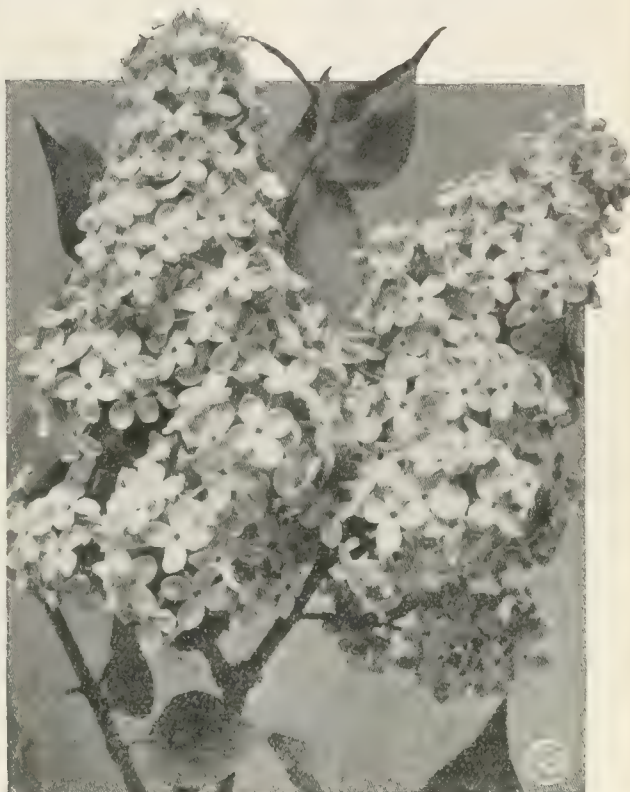
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Flower Market Reports

BOSTON

Trade is very sluggish here since New Year's. That day is not observed as a holiday in Boston and has never had any prominence as a flower buying occasion, locally, but there are always more or less calls from outside territory for shipments a day or two previous. This helped out a little this year, as usual, but since then there is almost nothing going on and flowers are accumulating in wholesale hands and prices sliding downward. Roses of all kinds are very plentiful. They are of elegant quality from all growers and are well worth standard prices, but the market is very unresponsive. Carnations, too, are weakening. Lily of the valley and violets are coming in freely—the latter tending downward in value. Not much change is likely for another week, by which time the public will, perhaps, have recovered from the effects of their Christmas spending and begin to consider the flowers once more.

BUFFALO

The holiday trade was quite satisfactory to both wholesaler and retailer. It may be said that the holly and other green festooning was sold for better prices than the year previous and a general clean-up on the decorating material was had. More plants were sold, prices being about the same as in previous years. All standard sorts were in good supply and the weather was favorable for delivery. There was no scarcity in the rose line only that Richmond in medium grade was in heavy demand.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Jan. 3		DETROIT Jan. 3		BUFFALO Jan. 3		PITTSBURG Jan. 3	
Am. Beauty, Fan, and Sp.	30.00	to 50.00	35.00	to 50.00	50.00	to 60.00	40.00	to 50.00
" Extra	10.00	to 15.00	25.00	to 35.00	25.00	to 40.00	25.00	to 35.00
" No. 1	6.00	to 8.00	15.00	to 25.00	15.00	to 20.00	15.00	to 20.00
" Lower grades .....	.....	to	6.00	to 15.00	5.00	to 6.00	6.00	to 12.00
Bride, 'Maid, F. & S.	8.00	to 15.00	8.00	to 12.00	10.00	to 12.00	8.00	to 10.00
" Low. gr.	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	4.00	to 6.00
Killarney, Richmond, Fan, & Sp.	8.00	to 15.00	10.00	to 15.00	12.00	to 15.00	8.00	to 12.00
" Lower grades	4.00	to 6.00	5.00	to 10.00	6.00	to 8.00	5.00	to 6.00
Maryland, Chateauf, Fan, and Sp.	8.00	to 15.00	8.00	to 12.00	12.00	to 15.00	8.00	to 10.00
" Lower grades	4.00	to 6.00	5.00	to 8.00	5.00	to 6.00	4.00	to 6.00
CARNATIONS, First Quality	6.00	to	4.00	to 5.00	4.00	to 6.00	3.00	to 4.00
" Ordinary	4.00	to	2.00	to 4.00	3.00	to 4.00	.....	to 2.00
MISCELLANEOUS								
Cattleyas	40.00	to 60.00	50.00	to 150.00	75.00	to 85.00	.....	to 75.00
Cypripediums .....	.....	to	10.00	to 15.00	10.00	to 12.00	.....	to 15.00
Lilies, Longiflorum	12.00	to 15.00	15.00	to 20.00	12.00	to 14.00	12.00	to 15.00
Lily of the Valley	3.00	to 4.00	4.00	to	3.00	to 4.00	3.00	to 4.00
Violets .....	.75	to 1.50	1.50	to 2.00	1.00	to 1.25	.75	to 1.25
Daisies .....	.75	to .....	.....	to	1.00	to 1.50	1.00	to 3.00
Snapdragons	8.00	to 15.00	4.00	to 10.00	.....	to .....	.....	to
Sweet Peas	1.00	to 2.00	1.00	to 2.00	.75	to 1.00	.50	to 1.00
Roman Hyacinths, Paper Whites ..	2.00	to 4.00	.....	to 3.00	3.00	to 4.00	2.00	to 3.00
Gardenias	1.00	to .....	.....	to	35.00	to 50.00	.....	to 35.00
Adiantum	1.00	to	1.00	to 1.50	.50	to 1.50	1.00	to 1.50
Smilax	12.50	to	15.00	to .....	.....	to 15.00	.....	to 20.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	30.00	to 40.00	40.00	to 60.00	50.00	to
" & Spreng. (100 bchs.)	25.00	to	30.00	to 40.00	35.00	to 50.00	30.00	to 75.00

Pink and white Killarney were excellent, also Maryland. Beauty was in good supply, but the demand was light. Carnations were not any too plentiful in this section but on Friday and Saturday all orders were filled. The market was well supplied with lily of the valley, which sold exceedingly well, also Roman hyacinths and peas. There were plenty of narcissi, lilies, stevia and other material which had a good sale.

A decided lull is now being felt in the Chicago market and the first week of the new year is marked with a falling off of business. This is partly due to the natural reaction after

the strenuous days of the preceding fortnight and partly to the extremely cold weather. Many flowers were used at the festivities which greeted the coming in of the new year and sales were very satisfactory throughout the market. The cold spell will hold back stock so there will probably be no great accumulation during the quiet of the present week. Only white flowers have been at a complete standstill, colored ones moving, though quite slowly. There is little sale for paper whites, and mignonette after its first appearance was almost unsalable. Violets and peas are out of the race this week.

(Continued on page 23)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec. 31 1910		First Half of Week beginning Jan. 2 1911	
American Beauty, Fancy and Special	40.00	to 50.00	30.00	to 40.00
" " Extra	30.00	to 40.00	20.00	to 30.00
" " No. 1	10.00	to 15.00	10.00	to 15.00
" " Lower Grades	5.00	to 10.00	4.00	to 6.00
Bride, 'Taid, Fancy and Special	6.00	to 8.00	5.00	to 8.00
" " Lower Grades	2.00	to 5.00	3.00	to 4.00
Killarney, Richmond, Fancy and Special	6.00	to 8.00	6.00	to 8.00
" " Lower Grades	3.00	to 4.00	3.00	to 5.00
My Maryland, Chatsenay, Fancy and Special	6.00	to 12.00	6.00	to 12.00
" " Lower Grades	3.00	to 6.00	2.00	to 5.00
Carnations, First Quality	3.00	to 5.00	3.00	to 5.00
" " Ordinary	2.00	to 3.00	2.00	to 3.00

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Flower Market Reports

(Continued from page 21)

Plants were fairly well cleaned out and the growers are already getting their Easter stock in shape for the next holiday.

It has been said
NEW YORK "Blessed is he who expects little, for he will not be disappointed." It is possible, perhaps, to account, on some such proposition, for the absence of any complaint among New York dealers concerning the New Year's business. This holiday, so dear to the New Yorker, has long ceased to hold any great prominence as a flower festival and this year especially no particular preparations for a big demand were made. As it turned out, crops were generally very light and clean sales at normal values were the result. In fact, there was a demand in excess of the supply on some lines and a buoyant tone characterized the market for Saturday, Sunday and Monday. On Tuesday, however, there was a decided break in values—some prices being cut to about half as compared with those of last week—this being the first step in discounting in advance the two weeks period of dullness which is always characteristic of early January. Roses have already begun to come in more freely—all varieties in excellent quality. Cattleya Trianae is plentiful and violets are undoubtedly in for a heavy decline in value before long. Stevia has been one of the best sellers during the last two weeks. Gardenias are excellent and have held their own nicely. Paper white narcissi have been in over-supply. Roman hyacinths are poor generally but lily of the valley is fine. Gardenias

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Dec. 31 1910		First Half of Week beginning Jan. 2 1911	
Cattleyas.....	35.00	to 50.00	35.00	to 50.00
Cypripediums.....	8.00	to 10.00	8.00	to 10.00
Lilies, Longiflorum.....	6.00	to 8.00	6.00	to 8.00
Lily of the Valley.....	2.00	to 4.00	2.00	to 4.00
Violets.....	.35	to .75	.30	to .50
Snappdragon.....	3.00	to 6.00	3.00	to 6.00
Daisies.....	.50	to 1.00	.50	to 1.00
Sweet Peas (per 100 bunches).....	4.00	to 10.00	4.00	to 10.00
Roman Hyacinths, Paper Whites.....	1.00	to 2.00	1.00	to 1.50
Gardenias.....	40.00	to 60.00	40.00	to 50.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spren. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

have enjoyed a splendid run. Carnations are beginning to reassert themselves now that the market price has come down to a level more nearly in line with the retail buyers' estimate of their value.

PHILADELPHIA New Years week was a good deal of a disappointment

ment all around in the cut flower business of the Philadelphia market. The volume of business was fair but the prices realized were far from reaching the average of last year. The usual leader (American Beauty) did not seem to be in much greater supply than usual but market values for same were away behind. And that condition was the index for all roses. Every variety suffered in like proportion. None of the roses brought anything like the prices they should have brought. Carnations held their own better but it cannot be said that there is any scarcity of these now—like what there has been all through the season, up to the present. White carnations seem to be the most plentiful. Colored carnations of equal grade with the whites, have been bringing twenty-five per cent. more. Cattleyas took a big drop, consequent not so much on a decreased demand but from an influx of flowers. Extra fine gardenias are coming in most liberally and, all things considered, the prices are holding up well for these. The clean-up is good also, so that when returns are figured out on this crop it is likely to compare very favorably with anything on the list. The lily of the valley market has improved quite considerably since Christmas and is now in good healthy condition. Violets are good and are selling up clean but in sympathy with outside conditions prices have dropped a little. Among the derelicts at present are long roses—that is fancy and special grade Beauty, poinsettias, Roman hyacinths, paper whites and white carnations.

Stevia is selling well and the greens market is all right.

PERSONAL.

We are pleased to learn that Mr. F. Sander of St. Albans, England, and Bruges, Belgium, contemplates visiting this country in latter part of January. Mr. Sander will find a stupendous increase in the growing of orchids here since the time of his last visit to us.

New York visitors: Harry S. Dawson, Boston; L. W. Wheeler, Holliston, Cal.; J. Bodger, Gardena, Cal.

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Alternantheras, red and yellow. Rooted cuttings, 50c. 100, \$4.50 1000; 2 1/4 in., strong, 2c. Cash or will exchange. A. G. Larson, Galva, Ill.

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Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2 1/2 to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

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Wood Bros., Fishkill, N. Y.

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BEST CANNAS IN THE WORLD.
Send for our new lists of latest and best 55 kinds. Stock excellent, prices right.

Conard & Jones Co., West Grove, Pa.

CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATION STAPLE

Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Two New Carnations.

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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.

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Wood Bros., Fishkill, N. Y.

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Unrooted Lawson, Red Lawson, Carnegie, Variegated Lawson, Lloyd, Harlowarden, \$5.00 per 1000, prepaid. Ehmanns, Corfu, N. Y.

Carnations, rooted cuttings, Light Pink Enchantress and White Perfection, \$2.00 per 100. Wm. Schwan & Son, Fredonia, N. Y.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Elmer D. Smith & Co., Adrian, Mich.
New Chrysanthemums.

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Wood Bros., Fishkill, N. Y.

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Send for list of stock plants, single, pom-pom and standard varieties, \$3.00 per 100 Ehmanns, Corfu, N. Y.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM STOCK PLANTS, all ready now. OCTOBER FROST, GOLD-EN GLOW, ROSIERE, MONROVIA, \$3.00 per 100; \$20.00 per 1000 assorted. POEHL-MANN, GOLDEN EAGLE, CHADWICK, and YANOMA \$4.00 per 100; \$30.00 per 1000. PRES. TAFT, white, MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00 per 100. I. M. RAYNER, Greenport, N. Y.

Chrysanthemum Stock Plants. Early Snow, Polly Rose, Kalb, Poehlmann, Eaton, Nonin, Baby Margaret, Pacific Supreme, Gloria, Liger, Duckham, M. F. Plant, Maud Dean, Leo (Pink Pompon), Shrimpton, Cullingfordii, Georgianna Pitcher, Col. Appleton, Nagoya, etc., \$4.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 75c. per doz., \$6.00 per 100; Mrs. Wm. Win-cott (White) and Mrs. Wm. Peacock (Pink), 1910 Novelties, \$2.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

CINERARIAS

Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2 1/2 in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Coleus, 2 1/2 inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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CYCLAMEN

Thomas Roland, Nahant, Mass.
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Converse Greenhouses, Webster, Mass.
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John McKenzie, North Cambridge, Mass.
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Giant Cyclamens, extra well budded, cold frame grown plants. See what others say about our stock. "R. S. Brown & Son, Kansas City, Mo.—Your Cyclamens are the best of five growers we bought from." And they gave us the second order.

4-in. at \$15.00; 3-in. at \$8.00; 2½-in. at \$5.00. 2½-in. seconds but will make fine little plants with plenty of buds and flowers for Christmas for baskets and dishes at \$3.50 per 100. August seedlings in 5 colors; these are grown from our best year's seedbearers and they were the finest we ever had. You saw the pictures in the Journals last spring. Cultural directions with every order. Christ. Winterich, Cyclamen Specialist, Defiance, Ohio.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.
Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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Godfrey Aschmann, Philadelphia, Pa.
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Frank Oechslein, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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A. N. Pierson, Cromwell, Conn.
1911 Catalogue.
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FERNS — Continued

3000 Boston and Pierson's Ferns, fine, strong, healthy plants; extra heavy, long fronds; from bench, 5-in., 25c.; 6-in., 35c.; 7 and 8-in., 50c. to 75c. Finest plants in state for making up. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. E. Anderson, Fern Specialist, Short Hills, N.J.

Neph. Whitmanii and Scotti from 2½ inch pots, \$3.00 per 100. Runners from bench, \$15.00 per 1000. Scholzelii, 2½ inch, \$5.00 per 100. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FEVERFEW

Feverfew, double white from 2-inch pots, \$2.50 per 100, \$20.00 per 1000. Adolph E. E. Koch, Nobscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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FLOWER POTS

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kerran Co., New York.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
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Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums out of 2 and 2½ inch pots, strong, Double Grant, S. A. Nutt, La Favorite, Renault, Double Salmon, \$2.00 per 100. A. Ricard, Madame Barney and Thos. Meehan, \$2.50 per 100. Wm. Schwan & Son, Fredonia, N. Y.

GLADIOLI

GLADIOLI—Best sorts, extra mixture, all sizes. C. Betscher, Canal Dover, O.

4000 Mrs. Francis King, extra size, 1½ to 2½-in., \$22.00 per 1000 net. E. E. Stewart, Rives Junction, Mich.

Gladioli, new forcing Pink Beauty, great early bloomer, May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladioli Co., Growers, Saginaw W. S., Mich.

Gladioli Alice Carey, best white; America, best pink; King Humbert and other choice named varieties. Fine mixture, No. 1, \$6.00 per 1000; \$50.00 per 10,000. E. Y. Teas & Son, Centerville, Ind.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co., 1133 Broadway, New York.
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A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Hitchings & Co., 1170 Broadway, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.
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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION

- Foley Mfg. Co., Chicago.
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- Hitchings & Co., 1170 Broadway, N. Y.
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- King Construction Co., N. Tonawanda, N. Y.
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- Chas. H. Dodd, Jersey City, N. J.
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GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.
- King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

- Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.
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EARLY FERNS AND SUPPLIES

- H. M. Robinson & Co., Boston, Mass.
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- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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- The Kervan Co., New York.
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HEATING APPARATUS

- Lord & Burnham Co.,
1133 Broadway, New York.
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- Pierson U-Bar Co., 1 Madison Sq., N. Y.
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- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- Hitchings & Co., 1170 Broadway, N. Y.
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HELIOTROPE

- Heliotrope, rooted cuttings, 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

HERBACEOUS PLANTS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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- Bobbink & Atkins, Rutherford, N. J.
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- James Backhouse & Son, Ltd., York, England.
1911 Catalogue of Alpine and Herbaceous Plants.

HOSE

- H. A. Dreer, Philadelphia, Pa.
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HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
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- Foley Mfg. Co., Chicago.
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- Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS

- 10,000 Hydrangea Otaksa, pot grown, 4 in., \$8.00 per 100; 3 in., \$5.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

IMPATIENS

- Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

- Nicotinide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.
Kilnhead Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.
Aphine.
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To-Bak-Ine Products.
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- H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
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IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
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- IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

- English Ivy, large leaves, 3 in. pots, fine plants, \$5.00 per 100; \$45.00 per 1000. Wm. Schwan & Son, Fredonia, N. Y.
- Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

JACK FROST MATS

- Wm. Elliott & Sons, New York.
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JAPANESE PLANTS

- Yokohama Nursery Co., 31 Barclay St., New York.
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JERUSALEM CHERRIES

- Jerusalem Cherries, pot grown, loaded with berries. They are beauties and have plenty of them. 4 in., \$15.00 per 100, cash. F. Sokol, College St., Worcester, Mass.

KENTIAS

- A. Leuthy & Co., Roslindale, Mass.
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- Bobbink & Atkins, Rutherford, N. J.
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- Godfrey Aschmann, Philadelphia, Pa.
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- Kentias, clean, sturdy plants, 18 to 24 in. high, 5 in., \$50.00 per 100, cash. F. Sokol, Worcester, Mass.

LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield, Mass., Dept. 8.
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LEMON VERBENA

- Lemon Verbena, rooted cuttings, 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

LILIUM MULTIFLORUM AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY

- J. M. Thorburn Co., New York, N. Y.
Lilly of the Valley Pips.
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MESEMBRYANTHEMUMS

- Mesembryanthemums, 2½ and 2¾ in., 2½c. and 3c. These are nice big plants ready for 3 and 4 in. pots. Blooms as large as carnations. Will exchange for ferns and heliotropes. A. G. Larson, Galva, Ill.

NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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Hardy, Northern Grower Stock.
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- R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
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- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.
- Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.
- BERBERIS THUNBERGII. New clean SEED, \$1.75 per lb.; STRATIFIED, \$1.00 per lb.; CLEMATIS PANICULATA, \$2.25 per lb. F. N. Hadden, 145 Pond St., Providence, R. I.
- 300 Aristolochia Siphon, 3 yr. \$15.00; 1500 White Snowberry, 2½-3½, \$6.00; 600 Ribes alpina, 20-24 in., \$5.00; 300 Crataegus oxyantha, 2½-3½, \$6.00; 300 Crataegus oxyantha, 2-3, \$5.00. Send for additional surplus list. Henry Lake Sons Co., Black River Falls, Wis.
- UNION SETS**
Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh imported and Established Orchids.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
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- Ordonez Bros., Madison, N. J., Box 105.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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- Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
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PAINT AND PUTTY

- PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Joseph Heacock, Wyncote, Pa.
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PANSY SEED

- Skidelsky & Irwin, Philadelphia, Pa.
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PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PELARGONIUMS

Pelargoniums. Finest varieties, excellent stock, 2½ in., \$4.50 per 100. The Corry Floral Co., Corry, Pa.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.

PLANTS WANTED

Bloomington Bros., New York, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

John McKenzie, North Cambridge, Mass.
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Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

SNAPDRAGONS

Snapdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

Snapdragons—Rose Pink, Light Pink and White, from 2-inch pots, \$2.50 per 100, \$20.00 per 1000. Adolph E. E. Koch, Nobscoot, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Sphagnum moss, clean stock, 12 bbl. bale, \$3.50. Green moss, in bbls., \$1.00 per bbl. James Day, Milford, New Hampshire.

VEGETABLE PLANTS

100,000 Grand Rapids lettuce plants, strong, outdoor frame-grown, \$1.00 per 1000. Keeney's Greenhouses, Monongahela, Pa.

VINCAS

Vinca variegata, extra strong 2-in., \$2.25 per 100; \$20.00 per 1000. Williams & Clark, Muncie, Ind.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.
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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VIOLET BLOOMS

Marie Louise Violet Blooms, A No. 1 quality, ready now, \$1.50 per 100. Christmas week, \$1.75 per 100. Cash with order please. C. Lawritzen, Box 261, Rhinebeck, N. Y.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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In writing to Advertisers kindly mention Horticulture

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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

New Offers in This Issue.

DIRECT IMPORTATIONS OF NURSERY STOCK.

McHutchison & Co., New York, N. Y.
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FERNS, ROSES, BEDDING STOCK.

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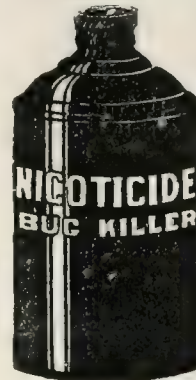
1911 SEED CATALOGUE.

Aggeler & Musser Seed Co., Los Angeles,
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Flower Market Reports

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Business for Christmas
ROCHESTER proved satisfactory to all. Made-up baskets of every size and shape were the favorites. Azaleas, poinsettias, ericas, etc., were easily disposed of but unfortunately the quality was not up to the usual standard. Moderate price sales predominated, and most of the store men were through with the rush earlier than usual. The largest call was for made-up pans of short poinsettias, about \$2.00 to \$3.00 each. Ericas of irregular shape for basket work were also much sought after. Cut flowers of every description were sold out clean, and stock of any kind was hard to get. Carnations were particularly scarce, except the white varieties, which were over-plentiful. Red sold readily at \$10 per 100 with supply limited. Roses grown in this vicinity were very scarce, and those shipped in to the wholesale market were disposed of to good advantage, but the high prices somewhat retarded sales. American Beauties were of poor quality and this, coupled with the high figures, kept the demand from becoming brisk. Holly was very good this season, and when consideration of the quantity handled is made, but few legitimate



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50

Stump & Walter Co.
50 Barclay St.
New York, C.

green flies and
black ones too

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee
THE H. A. STODOLFF CO. MOUNT VERNON, N. Y.

PRATT'S
SCALECIDE

Will positively destroy SAN JOSE SCALE and all
soft bodied sucking insects without injury to the
tree. Simple, more effective and cheaper than
Lime Sulphur. Not an experiment. One gallon
makes 16 to 20 gallons spray by simply adding water.
Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

kicks can be registered. Laurel roping was also in good demand, and a larger quantity was used than in former years, due to the scarcity of ground pine roping, very little of which was seen in this city. On the last day the weather moderated from the extreme cold spell of the preceding days, this fact facilitating easy delivering and but few complaints from patrons who received frozen plants. Last reports are to the effect that all connected with the business are entirely satisfied with the volume and financial results of the season's trade.

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DURING RECESS.

Chicago Bowlers.

Scores, Dec. 28, 1910, were as follows:

ROSES.	VIOLETS.
Wolf, 167 156 124	Vaughan, 199 135 135
J'hns'n, 210 160 161	L'b'm'n, 182 116 107
Byers, 108 150 144	Fr'dm'n, 174 156 151
K'rcht'n, 121 145 135	Lorman, 144 135 113
Fischer, 169 153 165	Yarnall, 133 182 130
ORCHIDS.	CARNATIONS.
H'b'n'r, 129 133 160	Ayers, 112 144 177
Farley, 134 138 112	W'n't'r's'n, 155 125 178
Graff, 162 186 139	Krause, 140 124 134
Fr'st'r, 175 157 173	Schultz, 167 188 146
P'st'ck, 143 155 201	A. Zeck, 138 191 114

New York Bowlers.

Last Friday night R. J. Irwin of Philadelphia and L. W. Wheeler of Holliston, Cal., were visitors at the N. Y. Club's alleys. The prize was won by Manda with a score of 201. A similar prize—a bottle of champagne, will be offered for high score at this week's game. On Monday afternoon next—previous to N. Y. Florists' Club meeting—bowling will be indulged in as usual. Scores last Friday were as follows:

Shaw, 155 171 152	Manda, 147 201 168
Irwin, 175 170 146	Kakuda, 143 149 138
Berry, 130 143 195	Wheeler, 123 138 147
M'Ardle, 133 158 160	Nugent, 103 128 123

Christmas at Burpee's.

We had the honor of being an on-looker at the annual Santa Claus celebration at the Burpee seed store in Philadelphia for the first time this year. We had heard years ago of Mr. Burpee's kindly notion of giving the youngsters in the neighborhood a little Christmas gift of candy or other pleasing memento but had no idea it had grown to be an event of municipal importance. At first it embraced only about 25 of the nearby youngsters, but in a few years the number swelled to 500 and last year it was 1000. This year there were over 1500 in line to greet Santa Burpee. He responded to them in person; no deputy could be permitted to fill this kindly function. He was aided by his chief lieutenants from Manager Earl and Treasurer Brown down through the ranks. We will not soon forget this splendid exhibition of good fellowship and kindly feeling. It meant far more than signing a check for ten million. It meant days of planning and arranging and the personal sacrifice and strenuous labor of one whole day—when most men would rather have been taking a day off for themselves—especially such a busy and hard worked man as W. Atlee Burpee. Mr. Burpee was ably seconded by his son, David, and by his sister, Mrs. A. B. Scott, in the presentation ceremonies. That is the true Christmas spirit. "Peace on Earth: Good will to men." No exchanging of presents at department stores next day in this crowd.

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

HELP WANTED

WANTED—To communicate with a thoroughly reliable and experienced man in the sale of ornamental nursery stock, competent to assume charge of a portion of our retail trade. Address Southworth Bros., Beverly, Mass.

SITUATIONS WANTED

FOREMAN wants position; at present employed by wholesale grower in Massachusetts. A No. 1 grower of Christmas, Easter and bedding plants, also small ferns and stove plants. Life experience in Europe and U. S.; only responsible position will be considered; correspondence confidential; can start thirty days after engagement. Large salary expected. T. T., care HORTICULTURE

SUPERINTENDENT or head gardener wants position; open for engagement March 1st, 1911, or later; 20 years' experience in the growing of flowers, fruits and vegetables under glass, as well as out of doors. Married. Only first-class position will be considered. State salary and give full particulars in first letter. Private interview desired. T. D., care HORTICULTURE.

FOR SALE

I am a farmer and have for sale strictly choice clover seed. Also handle mammoth and alsike clover, timothy and millet seed. Reid's Yellow Dent, Leaming, Boon Co. White, and Silver Mine and the big Silo fodder seed corn. Please ask for samples and prices. I also buy all kinds of seed. L. F. Stoecker, Farmdale or Peoria, Ill., Box 18.

FOR SALE Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

NEW YORK NOTES.

Badgley, Reidel & Myer, wholesale florists, who had deposits in the Northern Bank of New York, announce that they are not embarrassed in any way by the closing up of the bank.

Wm. G. Badgley has resold his interest in the formula for Wilson's Plant Oil to Andrew Wilson and others. Mr. Wilson will manufacture and continue the sale of this insecticide under the old name of the Wilson Plant Oil and Fertilizer Company, with office in New York City.

The Forster-Mansfield Co., manufacturers of rustic work, refrigerators, etc., have taken a lease of the entire building at 145 West 28th street, where they have heretofore occupied the upper floors only, and will make extensive improvements, putting in new machinery, etc., on the ground floor.

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.Main Office and Factories
CAMBRIDGE, MASS.Pearson Street,
LONG ISLAND CITY, N. Y.

NEWS NOTES.

Montello, Mass.—The Crawford Greenhouses have been purchased by C. E. Field, who is growing a general stock for the wholesale market.

Berlin, N. J.—L. K. Peacock has removed from Williamstown Junction to Laurel Springs. He expects to grow five acres of dahlias next summer.

Bridgeport, Conn.—James E. Beach, florist, has purchased property adjoining his on Park avenue, having a frontage of 100 feet on Noreh avenue.

Ravinia, Ill.—Herman A. Dreiske has purchased more land and is preparing to handle shrubs and nursery stock in addition to his regular stock.

Maywood, Ill.—Ernest Rober, 1712 Fourth avenue has sold one-half interest to Martin Radke. The business will now be conducted under the name of Rober & Radke.

Seattle, Wash.—The down town business of L. P. Walz has been disposed of and he will now devote his entire time to his rose gardens at 2320 Forty-second street.

FIRE RECORD.

Addison, N. Y.—Fire badly damaged the new greenhouse of Joseph Newcomb on Dec. 21st.

Adams, Mass.—On Dec. 17th fire slightly damaged the roof of the boiler house of A. J. Boothman.

Minneapolis, Minn.—On Christmas night the building of the Kusik-Eckhardt Co. was destroyed by fire.

Derry, N. H.—On Dec. 11th fire destroyed the factory of the Benjamin Chase Co., wooden plant label manufacturers.

Syracuse, N. Y.—The boiler house and one greenhouse of L. S. Baker, Pleasant avenue, were badly damaged by fire recently.

Peoria, Ill.—A barn on the premises of J. C. Murray, florist, 2014 Perry avenue, was burned on the evening of Dec. 26th; loss about \$100.

Brattleboro, Vt.—Fire nearly destroyed the heating plant of C. E. Allen's greenhouse on Dec. 28th; loss several hundred dollars, insured.

INCORPORATED.

Salt Lake City, Utah.—Green River Valley Orchards Co., capital stock \$50,000. Directors: Doran Perrine, Jesse M. French, J. F. Spiker, W. A. Kulp and F. G. Porter.

New York, N. Y.—The Japanese Nursery and Construction Co., to import and sell Japanese plants, shrubs and trees; capital stock \$35,000. Incorporators: Kengo Moriva, H. Brevoort Odel and Geo. W. Dobbs, of Yonkers.

Martinsburg, W. Va.—The Levels & Onhoko Orchards Co., capital stock \$100,000, to do a nursery, agricultural and horticultural business. Incorporators: J. C. McKown, of Paw Paw, W. Va.; H. A. Downs, J. M. Small, H. B. Shoemaker and Dudley Harley, of Martinsburg.

GREENHOUSES BUILDING OR CONTEMPLATED.

Niles Center, Ill.—F. Stielow, range of houses.

Newport, Wash.—Ralph D. Kaler, one house.

North Easton, Mass.—Oliver Ames, one 80-foot house.

Corona, Calif.—John F. Flager, house 10 x 20 feet.

Providence, R. I.—A. Holscher, range of houses this spring.

Exeter, N. H.—James E. McAlpin, rose house 60 x 400 feet.

Hillsboro, Ohio.—Simon J. Hider, two houses 20 x 100 feet.

Catonsville, Md.—Charles Cook, one house 10 x 100 and one 20 x 100 feet.

Newport, R. I.—A. C. James, greenhouse, plant house and stable, to cost about \$13,000.

Rochester, N. Y.—The King Construction Co. is keeping a large force of men busy with the new house 25 x 150, which is being built for H. Neun, South avenue. Mr. Neun is a manufacturer of paper and other boxes and recently conceived the idea that he would embark into the wholesale plant business as a side line.

Lorain, Ohio.—A reorganization of the Frank Mecera Co. has been effected and they will now conduct the business under the name of Mecera & Carek Co.

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320 5 " " 4.51	12 14 " " 4.80
200 5 1/2 " " 3.78	6 16 " " 4.50

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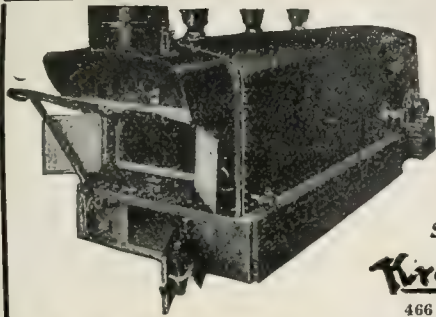
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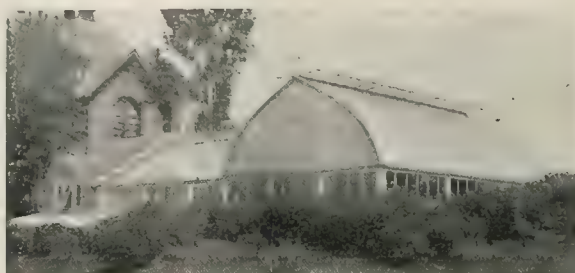
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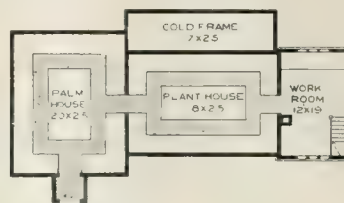
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Vol. XIII.

JANUARY 14, 1911

No. 2



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2-year-old, 2 to 3 ft., well branched, budded...	2.00	12.00
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Azalea Mollis	\$4.50	\$35.00
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STRAWBERRIES IN POTS

Strawberries which were started December 1st will have commenced root action and will be pushing up growth on the crown. As soon as this is noticed, ascertain if roots have thoroughly started and if this is so they will be looking for food. Lightly prick up and remove the top soil and replace with new, making it firm with a rammer. When mixing soil add a sprinkling of manure. This should not be a quick-acting manure but one which will last some time, otherwise the plants will receive a boost and have nothing left. This is all the manure or feed the plants should have until the fruit is set. Many make a mistake by feeding up to this stage. Luxuriant and soft foliage is the result, which often means a shy set. An occasional watering of weak soot water will be beneficial, but nothing else until your fruit is swelling and then give all possible. A temperature of 50 degrees at night will suit them until they come into flower.

VARIETIES OF VINES

The grape vine—*Vitis vinifera*—was found growing wild in Western Asia, Northern Africa and Southern Europe. All our earliest records have mention of the vine and vineyards. The Holy Bible refers to both in its earliest records. It is no wonder then that having been known for such a long period, under cultivation for a great part of this time, we find endless varieties, producing a varied quality of fruit—some the result of Nature's planting, adapting themselves to different countries of the world, others the direct result of careful hybridizing by the hand of man and it is these latter we are interested in growing under glass. New introductions are sent out every year, each claiming some additional quality or combinations of two or more "old timers," but it is surprising how some of these so called old timers have held their own in the past and today cannot be replaced. Some have even improved with increased knowledge of their requirements, one instance being the drainage of borders. Olden growers were satisfied that a vine when growing needed a good supply of moisture at the root, but that drainage and consequent sweetening of the border, together with the food substances liberated by the air acting on the soil, were not necessary.

The old Black Hamburg stands out preeminently above all other black sweetwater varieties. No record of its origin is to be found, but an old edition of "Baron's Book on Vines" states that it was imported into England more than two centuries ago by a Mr. Warner, from Hamburg and was known for a time as Warner's Black Hamburg. When grapes were first grown under glass in this country, Black Hamburg was a pioneer. Some twenty or more varieties are synonymous with Black Hamburg, but the original has enjoyed a popularity equalled by no other grape. It can be grown in any house, alongside almost any other variety and then is the surest cropper we have. It will force earlier than any other grape and does just as well in a late house. The quality, too, is good and when kept with other later varieties holds its sweetness for a considerable time. I have emphasized on the merits of Hamburg for it is the best all-round grape grown and no house should be planted without including it. For pot work it is second to none, a good setter always and finishes every berry.

The Muscat of Alexandria commands next attention on account of its exquisite flavor. To do this variety to perfection a house should be devoted to it, as it requires a little higher temperature than most of the others and has other peculiarities, one in particular being its shyness

to set. When finished this grape will more than repay any extra trouble it has entailed.

Foster's seedling and Buckland's Sweetwater are white grapes, well adapted for early and mid-season houses. I know of no better trio for an early house than these two and Hamburg.

Madresfield Court was raised at Madresfield Court, Worcester, England, from a Muscat of Alexandria, crossed with Black Morocco. A good mid-season grape, first-class in flavor. Its chief fault is a lack of color and a liability to crack, but careful watering will alleviate this. Apply Towers is a mid-season to late variety of good size and color.

Gros Maroc and Gros Colman are late varieties with exceptionally large berries. Fine for exhibition. Maroc carries a better color and finish, but Colman will often keep longer.

Black Alicante is one of the finest keeping grapes, but should only be grown for its keeping properties. Lady Hutt is the best late white grape, keeping its flavor well and will hang or keep "bottled" for a considerable time. Raised from Gros Colman x Alicante.

The above varieties could be added to at length, but they include the most reliable in their respective classes.

POTATOES

are sometimes grown under glass as a novelty—more so than a very productive crop. They are easily grown either in benches, or large pots. Water carefully and see that they are kept free from insect pests. If room and time can be given them, plant at once. A night temperature of 55 to 60 degrees will suit them best, but they will grow along with other crops.

CAPSICUMS

are grown to a great size and look well in pots, the smaller varieties somewhat resembling the salanum or Jerusalem Cherry. A sowing made now and grown into 6 in. and 8 in. pots will produce a quantity of peppers before they are obtainable outside.

ONIONS FOR EXHIBITION

Onions intended for exhibition should be sown at an early date, as a good long season is essential for them to attain the size required for this purpose. Size is the greatest point when on exhibition but they must also be well matured and have a good clean appearance. Like everything grown expressly for show purposes, onions exact that amount of care and attention which must be given to obtain the desired results. Sow in flats in moderately rich soil. Do not bury at all; only slightly cover the seeds, giving a night temperature of 50 to 55 degrees. Care must be taken in watering right along as onions resent drought at anytime. Seedlings can be potted off into small pots, as soon as large enough to handle. Save every root, otherwise seedlings are checked. Ailsa Craig is undoubtedly the most popular variety for this work and I should say has won more prizes since its introduction than any other onion ever did. This variety alone is enough to grow, but those wanting a variation can use Exhibition and Sutton's Globe, a variety of good size which shows up well when staged.

LEEKS

Leeks are similar to onions in many respects and can be grown with them until they are planted out in the garden when a different course must be taken. Strong plants when planted out will make exhibition stuff by fall. Sow the same as you would onions and after coming through encourage a sturdy growth. Some prefer the very long growing varieties while others contend that those with better girth are best. This is often a point

of argument for judges and brings the critics down on them. Leeks can be drawn out when blanching is commenced; this can be dealt with later. Prizetaker and Improved Musselburgh have often led the way.

ASPARAGUS

Where a quantity of asparagus is forced each year it is necessary to replenish the stock. This must be done each year and crowns well looked after for three or four seasons before they will be ready for forcing. If possible a longer life than this should be given them, as the larger the crowns the better the results. From now on asparagus can be sown and can be grown along with onions and leeks. Good-sized plants will then be ready for the spring. Some, however, prefer to wait until spring and sow in beds outside. Connover's Colossal Perfection, Giant French or Early Giant Argeateuil can be used.

From now on reference may be made in these columns to early vegetables—those which can be sown inside, grown on for a time, and when the weather is warm enough in spring planted outside to come to maturity. This is a problem no one can solve satisfactorily for all our readers, as some states and even counties are much earlier than others, each locality having its own season, consequently, due allowance must be made. Some, perhaps, will use earlier dates; others again must perforce be weeks later.

George H. Penson

Mr. Penson's next notes will be on Pests of Vines under Glass; Propagation of the Vine; Temperatures, Vents and Airing; Peaches; Globe Artichokes.

Mushrooms

Where there can be had a plentiful supply of fresh horse manure and where you have sheds, cellars, or places under the greenhouse benches where the temperature can be maintained at from 45 to 50 degrees, or still better a mushroom house, this is a paying crop. When making up the beds, put the manure in layers of about 3 or 4 inches deep, and beat each layer down until you have it 10 or 12 inches deep. If the heat becomes too strong—that is when it runs up and over 115 degrees—make holes with a stick all over the surface of the bed in order to moderate the fermentation. The beds should be spawned when the heat goes down to 90 degrees, and still has a tendency to drop. Break the bricks into pieces about the size of duck eggs and insert all over the bed about 3 inches deep and 6 to 8 inches apart; cover and beat down firm. Keep the surface moist by syringing every day. I don't mean to saturate the beds, only give enough to moisten the top. When the heat goes down to 70 degrees cover with two inches of moist loam and beat down firmly. Keep the temperature as near 50 degrees as possible. In 6 or 8 weeks the crop should begin to appear. Other beds can be made up in succession until February.

John J. M. Farrell

An Honor Worthily Bestowed

The second issue of the George Robert White gold medal for distinguished services in horticulture has been awarded to Jackson T. Dawson, for 40 years connected with the Arnold Arboretum. Mr. Dawson is too well known to the majority of our readers to require any in-



JACKSON T. DAWSON

roductions, and his achievements are known all over the civilized world. As a plant propagator he is acknowledged to have no superior and his knowledge of trees and hardy plants and their culture places him in the foremost rank of American horticulturists. The premier honor which is implied in the award of this medal is worthily bestowed.

The Martyrs of Horticulture

Thousands of friends whom E. H. Wilson has never seen or heard of are filling the air with wireless prayers and messages of sympathy in his sore affliction. If he had a receiver there to catch them all he would know how intense the interest of his many friends. We all remember the anxiety we had when our beloved Hansen left home for his final Siberian trip. These are men of destiny; the heroes of peace; and their courage and persistence are not surpassed by the bravery of our military heroes. The results are infinitely greater than the hero Hobson brought back to us. Mr. Wilson's work is something stupendous. It is germinal. In his collection will be choice things susceptible like the dahlia and carnation of great improvement. God bless and restore him.

York, Nebraska.

C. S. Hammon

Seasonable Notes on Culture of Florists' Stock

ABUTILONS

For those who have formal beds or other similar planting to do the dwarf abutilons are unsurpassed. They are now used in large numbers in cemeteries, public parks, and for vases, window boxes, etc. To have good thrifty plants by bedding-out time, start rooting cuttings now. Stock plants that were lifted last fall should now be put into heat—say from 55 to 60 degrees at night and they will soon get into active growth. Syringe on all bright days and keep the atmosphere in a nice moist condition and in a short time you will have good material to propagate from. Insert the cuttings in a propagating bed and they will soon root. Pot into 2 or 2½ inch pots, giving any good soil and good drainage. As they grow on use the hose to keep down the mealy bug. Abutilon Savitzii is the most useful. A. vexillarium is especially good for hanging baskets and veranda boxes.

ACALYPHAS

Where there is a demand for highly colored plants for subtropical bedding, or mixed border, or for the decoration of the show house or conservatory the acalypas have but few equals. To have nice plants in 4 or 5-inch pots for setting out by the last of May or the first week in June, shorten back the shoots of your stock plants, and place them now in a temperature of about 65 degrees at night, on a light sunny bench. With a moist atmosphere and abundance of syringing they will soon push a number of young growths that will root where there is a good bottom heat. When they are fairly well rooted they should be potted into 2½ or 3 in. pots using good fibrous loam, well enriched. Acalypha Macafeana has ability to stand the winds better than most coleuses. It also stands well in good condition in the late summer and fall.

CANTERBURY BELLS

These are splendid spring flowering plants. It is now time to arouse these plants into activity if wanted for Easter. Start in about 45 degrees at night, and when new growth increases raise the temperature slowly until the minimum of 50 degrees is reached. If the plants are subjected to too great a heat, especially right after being started into growth, they will not attain perfection. Every opportunity must be availed of to admit sufficient fresh air on every favorable occasion. When they have filled their pots with roots, feeding will help them materially, and more than repay for the trouble. The best colors for Easter are pink and white. They make beautiful objects in pots for Easter decoration.

HYDRANGEAS

Plants that are intended for Easter should now be given a slow start in a cool house so to break into new growth. With syringing and top-sprinkling a good break will be secured. After a good start has been made in a temperature of 50 degrees, a temperature as high as 65 or 70 degrees at night may safely be employed in bringing the plants to a rapid development, though a less heat steadily held is more likely to produce the best results. A moderately humid atmosphere in their advancing new growth will be most beneficial. Give them full sunlight as it imparts vigor and depth of color to the foliage. Hydrangeas when in full root action will need liberal supplies of water, with some liquid manure at least once a week. Plants that do not throw much bloom will provide good material for cuttings. Put a good batch of these in a warm propagating bed; they will soon root and make fine plants for another year.

ODONTOGLOSSUMS

The temperature through the winter months should range about 50 degrees at night with from 60 to 65 degrees with sunshine. They will stand as low as 40 degrees without injury, but less water and syringing should be given under such circumstances. It is always better that the temperature should never fall below 45 degrees at night. Plants that have not been repotted as yet should be attended to without delay. There is no question that autumn potting is the best. A very satisfactory compost is chopped, live sphagnum, fibrous peat, and charcoal. Give plenty of air, but using care to avoid cold draughts. Of course a good deal of judgment will have to be used as to outside conditions in giving air. When resting it is a difficult matter to water these orchids, so much depends upon the state of the weather. Give judicious light syringing on all bright days, and taking care in dull or wet weather not to have the atmosphere overcharged with moisture. Better keep a little more fire heat so as not to entirely cut off ventilation, or induce a stagnant atmosphere.

THE CARE OF STOCK LEFT OVER

Save as many stevia plants as you think will do for stock; cut down and place in light cool house for future cuttings. Select your poinsettias for stock plants by lifting with all the soil or as much of the soil adhering as possible and set closely packed in boxes, covering the intervening bare spaces with soil from the bench. These should be rested under a somewhat dry warm bench until March or later. Give a little water now and then to prevent a shriveling. Azaleas should be placed in a very cool, light house. Anything above the freezing point will do. See that at no time they are allowed to get extremely dry. Ericas will take the same treatment. All such flowering plants as Begonia Lorraine, cyclamens and primroses should be given the minimum temperature with plenty of ventilation to keep them in as good condition as possible until sold, but if the stock is unsalable don't let it occupy valuable bench room. The busiest time of the year with most growers begins right after the holidays, with but little let-up until Easter. If any of your young stock has been neglected on account of the Christmas preparation give every attention now. Look around and see if you are short of anything for future use and, if so, buy now. There is plenty of it offered through the advertising columns of HORTICULTURE.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Care of Carnations; Dr. George Andrew; Grafting Roses; Pauax; Victorine; Simlex; Tuberosa Begonia.

Cattleya Trianae The President

See page 11 Illustration

Without doubt this is one of the grandest varieties of this prolific species of cattleyas ever produced. The flowers are large and of great substance as well shown in the picture. Petals measure 8 inches across and are 3¾ inches in diameter. The sepals are 1½ inches broad. Both petals and sepals are very deep rose color. The lip is 2¾ inches wide, proportionately long and extremely dark crimson, this color extending well back into the throat. The throat itself is marked beautifully with yellow. We are indebted to Julius Roehrs Company of Rutherford, N. J., for this beautiful photograph.

HORTICULTURE

VOL. XIII

JANUARY 14, 1911

NO. 2

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.
 Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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which appertain to such a gigantic undertaking. To fully please and conform to the views of everybody in an enterprise of this kind is a manifest impossibility. Final decisions must be arrived at and definite rules of action laid down and it is to be hoped that a general and cordial acquiescence in what has been done may be accorded. No one will doubt that those gentlemen who have given their time and best abilities to the fulfilment of the obligations imposed upon them have been actuated solely by the desire to do right and to conserve with singleness of purpose and fidelity to duty, the best interests of the profession and of the Societies which stand back of this enterprise. Now is the time for a long pull, a strong pull and a pull *all together*.

**For better
business methods**

The movement inaugurated in Boston some weeks ago for the purpose of better controlling the giving of credit in the trade and protecting

the dealers against a repetition of the heavy losses of the past has begun to take definite shape and the unanimity displayed by all interests is a very hopeful omen. The Boston agitation is largely based upon the signal success achieved by the wholesale flower trade of New York City in the system adopted by them two years ago. The plan finally agreed upon in Boston and eventually in other centres may vary somewhat from that of New York as local conditions may demand more or less elasticity but the principle involved is identical. We look to see the matter taken up in due time in all the central sources of supply, with the result that eventually mutual co-operation will bring about a well-established organization of all commercial horticultural interests and thus will be effectuated a most notable and much needed reform. The enforcement of a reasonable credit limitation in the wholesale trade will unavoidably compel prompter collections on the part of the retailers and thus all departments of the business will stand upon a sounder and altogether better basis.

A correspondent, well-acquainted with "Pure seeds" the seed-trade, writes "If the American public wants the very best in

seeds it will have to pay more." We have some doubts as to the sincerity of some of the more active advocates of stringent seed legislation, whose zeal impresses us, by its range and tenor, as inspired by political rather than philanthropic considerations. Yet no seedsman or friend of the seedsman will be found opposed to the principle of better seeds. If better seeds are possible they are possible only through greater care and increased labor on the part of the man who grows them. If the standard of the men who grow and the men who market the seeds is impaired, because of prices which are too low to enlist ability of the highest order, then the standard of the seeds will surely deteriorate and the result would be a national calamity instead of a public benefit. Purity and reliability in seeds is "a consummation devoutly to be wished" but you can't have them unless men with the necessary ability and conscience are kept on the job and that is a consummation you must be prepared to pay for. It is a question whether the "rank and file" will take kindly at first to the prohibition of cheap seeds and it may be accepted as a foregone conclusion that the squealing will not all come from the seedsmen.

Preparations for the National Flower

"Shoulder Show are rapidly nearing completion to shoulder" and the Boston committees on whom

has fallen most of the burden of work

have been laboring diligently on the myriad of details

BRITISH SOCIETIES.

National Rose Society.

It was announced at the annual meeting of the National Rose Society, held in December, that during the past year 1,000 new members have joined, bringing the total up to 4,584. Not only is the Society numerically strong, but it has also a satisfactory surplus at its bankers. Since the death of Dean Hole, a change is made in the presidency at stated times, in order that this honor may be divided amongst the chief workers. This year's choice fell upon the Rev. J. H. Pemberton, who for many years has been an enthusiastic rosarian, and is the author of a well known work: "Roses, Their History, Development, and Cultivation." The Dean Memorial medal, awarded by the Society to the member who, in the opinion of the council has done the best work for the Society, was presented to the honorary secretary, Mr. Edward Mawley, of Berkhamsted, to whose able and painstaking efforts a great deal of the Society's success is due. Mr. Mawley has been in harness for some years; in addition to attending to the heavy details of the Society's work, he has rendered a praiseworthy service in popularizing the "Queen of Flowers" by his informative articles, and by his editorship of the official publications issued. His annual rose analysis is always a carefully prepared and comprehensive statement of immense value to everyone interested in this particular flower. The British horticultural societies are particularly fortunate in the personnel of its officials; especially is this the case with the National Rose Society, which has been splendidly officered from the time of its inception in 1876.

Multum in Parvo.

The Ancient Society of York Florists has this year reached the 150th anniversary of its existence.—The Royal Horticultural Society has bestowed the Victoria Medal of Honor upon: Mr. J. Cypher, a noted orchidist, of Queen's Road Nursery, Cheltenham; Mr. Thos. Coomber, The Hendre Gardens, Monmouth; Mr. C. R. Fielder, The Gardens, North Myms Park; Mr. H. B. May, a fern specialist, of Edmonton; Mr. A. H. Pierson, a fruit expert, of Lowdham, Notts.—The National Vegetable Society recently held its annual meeting, when an encouraging report was presented and passed. The framing of the schedule for the next year's show is to be dealt with by the Committee in January.—The returns of the Board of Agriculture show that the yield per acre of potatoes this year in Great Britain is slightly larger than in 1909, and well above the average for the past ten years.—The first provisional schedule of the International Horticultural Exhibition has lately been issued. The Executive Committee propose to organize a horticultural education exhibition, and to hold a conference. Amongst the suggested subjects is the following: "The different methods of training young horticulturists in this country and on the continent of Europe, and in America." Fuller details of the proposed exhibition can be obtained from Mr. E. White, 7 Victoria street, Westminster, London, S. W.

W. H. ADSETT.

ALPINE ROCK GARDENING.



Rock gardening is, as yet, an "infant industry" in America. It is possible to count on one's fingers all that are really worthy of the name, although mounds of rocks with plants among the stones are not infrequent. Alpine gardening has an irresistible

charm when one once begins to make a study of it and the myriad of lovely little plants suitable for such work. Our illustration shows a bit of the famous rock garden at the York nurseries of James Backhouse & Son, who make a specialty of Alpine plants.

MASSACHUSETTS HORTICULTURAL SOCIETY.

An appropriation of \$5,500 for prizes and gratuities to be awarded at the society's 1911 exhibitions was made by the Massachusetts Horticultural Society at its inaugural meeting last Saturday, in addition to awarding the George Robert White gold medal for the greatest advancement of horticulture to Jackson T. Dawson of the Arnold Arboretum.

Walter Hunnewell of Wellesley, presided in the absence of the newly elected president, Charles Parker, who is ill.

The report of the trustees, read by Secretary William P. Rich, showed that there has been received a fund of \$2,882 from the estate of the late John S. Farlow, the income to be expended annually for the encouragement of pear and grape culture.

The treasurer's report showed the total receipts for the year to be \$20,018.06, expenses \$18,657.39, surplus \$1,360.67, special funds and additional receipts \$9,936.

Secretary Rich said that the proposed alteration of the interior of Horticultural Hall, in order to adapt it to more general public uses, was indefinitely postponed owing to the

great cost of the work. Mr. Rich was appointed secretary and librarian, and Walter Hunnewell treasurer for the ensuing year.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Ladies' Night. Installation of Officers.

The next regular monthly meeting of the club will be held at Horticultural Hall, on Tuesday evening, January 17, at 8 o'clock.

The following officers elected at the December meeting will be installed and will make short addresses: President, Peter M. Miller; vice-president, Thomas Pegler; secretary, W. N. Craig; treasurer, Peter Fisher; executive committee, J. P. A. Guérineau, Robert Cameron, William Downs and William J. Kennedy.

The committee on S. A. F. entertainment for the national spring show have held several meetings within the past few weeks and will make a progressive report.

In lieu of a regular lecture a pleasing entertainment has been prepared, to which ladies are cordially invited. The regular club business will be shortened as much as possible in order to make it interesting for all who attend.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The opening meeting of this club for the New Year, last Monday evening, was well attended. The new officers were duly installed, felicitations and oratory were on tap in unlimited supply as were also the more material things in the dispensation of which the newly elected president is an acknowledged past-master. Retiring President Miller made one of his characteristic addresses on resigning the chair to his successor, thanking the press, the committees and the members for their efficient help in achieving the success of the past year. John Birnie and Joseph Manda escorted President Nugent to his post and after the applause had subsided the new executive voiced his appreciation of the honor and expressed sanguine hopes for the coming year. Vice-President Bunyard, Secretary Young, Treasurer Rickards and Trustees Traendly, Totty, Weber and Hendrickson followed in order with appropriate sentiments and promises of loyal service.

The president appointed standing committees as follows: Legislative—Messrs. O'Mara, Birnie and Pierson; essay, Shaw, Siebrecht, Pepper; awards, Miller, Totty, Simpson, Sheridan, Traendly, Hogg, Weston, Duckham; exhibition, Marshall, Turner, Hendrickson, Rasbach, Kennedy; house and entertainment, Berry, Rickards, Fenrich.

Patrick O'Mara made an interesting report on the efforts that had been made in the endeavor to secure legislative sanction and appropriation for new greenhouses at Cornell. Although a period of economy is now on, he thought the outlook for this excellent proposition was encouraging. On behalf of the committee which visited the Robert Scott & Son greenhouses at Sharon Hill, Pa., Secretary Young reported a verdict of 86 points on Rose Double Killarney and 85 on Irish Melody and final certificate of the club was awarded.

The treasurer's report showed a net balance in treasury of \$3,920.73. A vigorous and at times witty discussion followed the annual report of the trustees, particularly as relating to the expenditures of the entertainment committee and the number of "ladies' nights" permissible for the year. Messrs. Weathered, Schenck, Miller, Koehne and Shaw were appointed to make arrangements for the annual dinner and Messrs. Fenrich, Einsman, Young, Butterfield, Donaldson, Weber, Scott, Meyer, Chadwick and Langjahr on annual outing. Messrs. Traendly, Bunyard and Miller were made a transportation committee for the occasion of the National Flower Show at Boston next March. Messrs. Pepper, Shaw and Weathered and Messrs. Sheridan, Young and Butterfield were appointed to bring in resolutions on death of Mrs. F. W. Bruggerhof and Mrs. E. C. Horan, respectively.

On the exhibition tables were some vases of finely grown sweet peas from Geo. T. Schuneman, the varieties being Mrs. Alex. Wallace, Mrs. C. H. Totty, Mrs. Smalley, Christmas Pink and Watchung. Seedling carnations from W. C. Roberts of Ossining, No. 40, dark crimson, and No. 66, bright scar-

let. A cultural certificate was awarded to Mr. Schuneman on the basis of 88½ points, and Mr. Roberts was accorded a vote of thanks.

TARRYTOWN HORTICULTURAL SOCIETY.

The regular meeting of the Tarrytown Horticultural Society was held in its rooms on Thursday evening, December 29th, 1910. The prize of the evening, given by Mr. Abel Weeks for the best 18 blooms of carnations, was won by Wm. Pope, gardener to H. Darlington, Mamaroneck, N. Y., who staged a number of high-class flowers. Mr. Weeks also made a splendid exhibit of carnations, staging 12 vases in 12 varieties. As he was the donor of the prize he did not enter for competition, but was awarded honorable mention.

This being the annual meeting, the



SAMUEL J. TREPP

Of Glen Cove, N. Y.,

President Nassau County Horticultural Society.

secretary and treasurer submitted their yearly reports, which as regards increased membership and financial standing showed up very creditably in favor of the society.

New officers were elected for the year, viz.: President, John Brunger, gardener to I. N. Seligman, Irvington, N. Y.; vice-president, George Wittlinger, gardener to Miss Blanche Potter, Ossining, N. Y.; secretary, E. W. Neubrand, Tarrytown, N. Y.; treasurer, Chas. Weeks, Tarrytown, N. Y.; corresponding secretary, Geo. McIntosh, Eastman place, Tarrytown, N. Y. The dinner committee reported that they had arranged for the annual dinner to be held at the Hotel Tarry on Wednesday evening, January 18th, at 7 o'clock. Tickets can be had from Secretary Neubrand. Friends wishing to purchase tickets should procure them as soon as possible so that proper arrangements can be made for their accommodation.

WM. SCOTT, Cor. Sec.

CHICAGO FLORISTS' CLUB.

The regular meeting of the Chicago Florists' Club was held Thursday, January 5, at the Union Restaurant, and the following officers unanimously elected: President, H. Philpott; vice-president, A. Kohlbrandt; secretary, A. T. Pyfer; treasurer, E. F. Winterson. It was voted that the vice-president should constitute a committee of one to send flowers in behalf of the club wherever death should occur in the membership. The following named were elected to membership: H. B. Dorner, Urbana, Ill.; Wm. Wolniewicz, 1214 E. School street; N. Kotthaus, Ridge avenue; Geo. Gobel, 2242 Warren avenue; R. M. Reburn, 51 Wabash avenue; G. Bezdek, Wilmette, Ill.; A. Malchow, 3743 N. Clark street; J. W. Starrett, 5657 Saginaw avenue; J. N. Schmitt, 913 Montana street.

The club had as guests Geo. F. Brown of Greenfield, Mich., and A. N. Pierson of Cromwell, Conn., the latter having on exhibition roses Prince de Bulgarie and a sport of My Maryland, both of which were awarded club certificates. The Chicago Carnation Co. showed Washington, Princess Charming and some seedlings, one of which is to compete for the Kroeschell cup offered for 25 blooms of a carnation five inches in diameter. Honorable mention was awarded this collection. W. N. Rudd exhibited a vase of mixed seedlings and one of red carnations.

After the installation of the officers a supper followed, with Frank Benthay as toastmaster. Phil. Foley in his own inimitable way presented the retiring president, Geo. Asmus, with a handsome gold watch, the gift of the club members. Mr. Foley had substituted a dollar watch and much amusement was afforded in the search for the right one. The new president, H. Philpott, is a British subject with home and business at Winnipeg, Manitoba, and comes nearly a thousand miles to his duties each month. He is a most enthusiastic worker in the interest of the club, and last year as vice-president he missed but one meeting.

The following committees were announced by the president: Sports and pastimes, Allie Zeck, Wm. Wolf, Wm. Graff; transportation, Phil. Foley, H. B. Howard, Ed. Winterson; good of the club, A. Henderson, E. C. Amling, Anton Then.

TUXEDO HORTICULTURAL SOCIETY.

This Society held its annual meeting on Tuesday evening, January 3, President Thomas Murray in the chair. There was a large attendance. Officers for the year were elected as follows: President, David S. Miller; vice-president, C. R. Russell; treasurer, James Allen; secretary, Albert Fischer; executive committee, Joseph Tansy, Wm. Brock, Wm. Hastings, P. Cassidy, R. H. Schaeffer, Simon Hillmers, Albert Fischer.

A motion to have the by-laws revised will be acted upon at the next meeting.

After the meeting the members adjourned to the ante room where a supper was served.

ALBERT FISCHER, Sec.

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally due and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayii, Wimsettii, Adiantoides, Aspidium Tsussimense, Crytomium falcatum, etc. Strong plants, 2¼-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

NEWPORT HORTICULTURAL SOCIETY.

A large number of members attended the regular meeting of January 10 when Professor A. E. Stene of the Rhode Island State College gave one of his characteristic instructive lectures on tree pests. The browntail moth, having recently been found near the borders of this city, came in for the largest share of attention. The gypsy moth, elm leaf beetle, tussock moth and other insect foes in their different stages were clearly described and up-to-date remedies prescribed. At the close of the lecture Mr. Stene also answered many questions about various plant diseases and justly earned the rising vote of thanks which was given him by all present.

The lecture was followed by a business session which was chiefly devoted to the matter of adopting a plan to encourage the members to work in various ways for the good of the society, and the scheme settled on is to offer special prizes to members scoring the highest number of points for the year by a prepared scale which gives a certain number of points to each grade of award won at the exhibitions and regular meetings. Points are also to be given for horticultural essays read at meetings, also for attendance at meetings and for causing the election of qualified new members. Three prizes are offered in the contest; the first two

are silver cups, and as the scheme is a new one it is expected that much interest will be taken in the contest.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

A meeting of the executive board of the National Sweet Pea Society of America was held at the Astor House, New York City, on Thursday afternoon, January 6, President W. Atlee Burpee presiding. Secretary H. A. Bunyard announced that the National Flower Show committee had offered the Society \$150 with which to arrange premiums for a sweet pea section at the Boston show next March, provided the Society would duplicate the amount for the same purpose, making \$300 in all. The offer meeting the approval of the board, the required \$150 was made up then and there. Wm. Sim of Cliftondale, Mass., produced a proposed schedule of premiums and after some discussion the same was accepted. The date for the Sweet Pea Day at the show was left to Secretary Bunyard and Mr. Sim to arrange. It will probably be March 29, and the Society will meet in the evening. It was arranged that Prof. A. C. Beal be invited to present a paper at the meeting, on "Trials of Sweet Peas Under Glass." G. W. Kerr, of Fordhook, Doylestown, Pa.; Wm. Duckham, of Madison, N. J., and James Wheeler, of Natick, Mass., were selected as judges, and Wm. Sim was elected to act as manager of the sweet pea exhibition. Many details as to entries were discussed and settled. It was decided that the scale of points for judging be as follows:

Stem, 25; color, 20; size, 25; number of flowers on stem, 15; substance, 15.

Suitable recognition, in the form of certificates to novelties and other exhibits not classed in the premium schedule, will be given.

In regard to seed trials during the coming season, the secretary was instructed to write seedsmen to furnish such seed of novelties and varieties for trial as it might be desired to try, and that the executive board suggested that the trial ground should contain not more than 100 of the latest varieties and not more than 25 seeds of any one variety. A letter from Prof. John Craig was read, in which that gentleman regretted his inability to attend the board meeting, and asked for instructions in different matters relating to trials during the coming season. It was decided to hold a summer show this year, and that invitations be sol-

icited from cities wishing to have the exhibition.

YONKERS HORTICULTURAL SOCIETY.

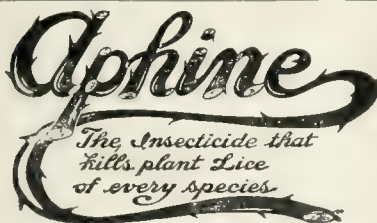
On Friday, Jan. 6th, a well-attended meeting of this society was held in Higgins' Hall. A. Herrington installed the officers elected for 1911, previously speaking very highly of work done by the gentlemen who held office in 1910. He said that the sound position, financial and otherwise, held by the society is due to efforts made by the retiring officers. President Lee Whitman spoke of the necessary hard work for the coming year. Invitations were received from the Morris County and Tarrytown Horticultural societies, inviting members to the annual dinner given by each of those bodies. The Yonkers dinner committee were instructed to go ahead and make arrangements for an early date.

Julius Roehrs Co. exhibited cut blooms of some fine forms of Cattleya Trianae, Lycaste Skinneri alba, Laelia anceps alba, etc. A committee composed of A. Herrington, W. H. Waite, and A. Bennett, awarded a certificate of merit to this exhibit.

H. M. BLANCHE, Cor. Sec.

Dec. 20, 1910.

For your Journal we have the highest admiration. Very truly,
D. L. S.



You may depend on it for positive results, without fear of failure or dissatisfaction.

\$2.50 PER GALLON; \$1.00 PER QT.

"FUNGINE"

An infallible remedy for mildew and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 PER GALLON; 75c. PER QT.

For sale by seedsmen.

Manufactured by

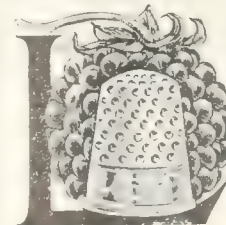
APHINE MANUFACTURING COMPANY
MADISON, N. J.

The E. G. Hill Co.

Wholesale Florists,

Richmond, Ind.

ST. REGIS EVERBEARING RASPBERRY



Bear the first season!
The most productive, early bearing, plants in the world. Centrally located, they are the best for the home and the market. They are the only raspberries that will bear in the winter. A. J. Lovett, the only one in the world, has the only one in the world. J. T. LOVETT,
Box 153 Little Silver, N. J.

Tobacco Paper "NICO-FUME" LIQUID

IS THE
**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

**Furnishes the
Most Nicotine for the Money**

OVER 40% NICOTINE
By far the
CHEAPEST.

JUST NOTE PRICE!

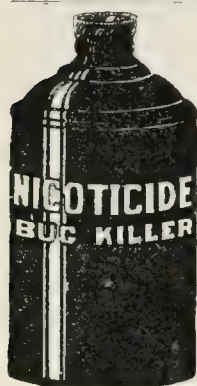
24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

Pint.....	\$ 1.80
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



**The Best
Bug Killer and
Bloom Saver**

For PROOF

Write to

P.R. Palethorpe Co.
OWENSBORO, KY.

KILMDEAD
The best of all
the tobacco
dusts for

**Dusting or
Fumigating**

25 lbs., \$1.00	100 lbs., \$ 8.00	1000 lbs., \$27.00
50 lbs., 1.75	500 lbs., 14.00	2000 lbs., 62.50

Stump & Walter Co. 50 Barclay St.
New York. ©

*green flies and
black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back:
why try cheap substitutes that makers do
not dare to guarantee

THE H. A. STOOTHOFF CO. MOUNT VERNON, N. Y.

NEWS NOTES.

Reading, Pa.—Fire destroyed the greenhouses on the Richenbach Estate recently.

Norristown, Pa.—Wm. H. Yeager has sold the homestead and greenhouses on East Oak street to his son Henry.

Red Wing, Minn.—Richard H. Decker is now conducting the business of the firm of Decker & Fritze which was recently dissolved.

Elmwood, Conn.—Elmer Steel, formerly manager at the Blackhall Greenhouses, Blackhall, Conn., is now employed at the Andrews estate greenhouses.

Raise More and Better Potatoes

English farmers get a yield per acre almost three times

ours. Beat the English yield.

Select land adapted to potatoes — and fertilize, making sure that available

POTASH

forms at least ten per cent. of the fertilizer. Apply from 1,000 to 2,000 pounds per acre.

One trial will convince you that Potash Pays.

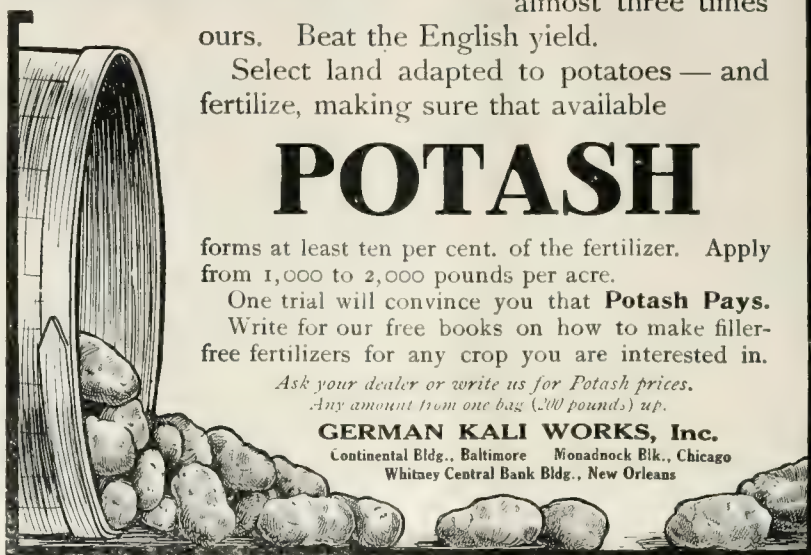
Write for our free books on how to make filler-free fertilizers for any crop you are interested in.

Ask your dealer or write us for Potash prices.

Any amount from one bag (200 pounds) up.

GERMAN KALI WORKS, Inc.

Continental Bldg., Baltimore Monadnock Bldg., Chicago
Whitney Central Bank Bldg., New Orleans



To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

NIKOTEEN APHIS PUNK
AND
NIKOTEEN LIQUID
THE ORIGINAL NICOTINE
INSECTICIDES

WRITE FOR
CIRCULAR & PRICES
NICOTINE MFG. CO.
ST. LOUIS, MO.

In ordering goods please add "I saw it in HORTICULTURE."

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

PRATT'S
"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

DREER'S HARDY PLANTS for FORCING



Rhododendrons FOR FORCING

To close out quickly we offer special values for an exceptionally fine lot of bushy shapely plants splendidly set with buds of best selling varieties: Per dozen. Per 100

18 to 24 inches high, 10 to 15 buds.....	\$10.00	\$75.00
15 inches high, 6 to 10 buds.....	6.00	50.00

Azalea Mollis

A splendid lot of bushy, well budded plants, 15 inches high, in fine shape for early forcing, \$4.50 per dozen; \$35.00 per 100.

Pot Grown Lilacs

Charles X and Marie Legraye, well budded, shapely stock, \$6.00 per dozen; \$50.00 per 100.

Primula Veris Superba

This Giant-Flowered form of the English Cowslip makes a most desirable pot plant. Its canary yellow flowers, which are from 1 to 2 inches across and produced in gigantic trusses of from 25 to 35 flowers each, appeal to everyone, and it sells at sight. It can easily and quickly be forced into bloom at little expense. We offer a splendid stock of strong crowns, suitable for 3½ or 4 inch pots \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

HENRY A. DREER, Inc.

714 CHESTNUT STREET

PHILADELPHIA

The above prices are for the Trade only.

**NO MORE DREARY, DRAB HOMES
DURING THE WINTER MONTHS**

SUTTON'S PRIMULAS and CYCLAMENS

the most popular decorative flowers can be easily raised from seed

PRIMULAS

	Per Pkt.
THE DUCHESS, pure white with zone of rosy carmine.....	61c.
THE CZAR, violet blue.....	61c.
GIANT, mixed.....	85c.
WHITE STAR.....	61c.
MIXED STAR.....	61c.

CYCLAMENS

	Per Pkt.
GIANT WHITE.....	61c.
GIANT SALMON PINK.....	61c.
GIANT CRIMSON.....	61c.
GIANT CHERRY RED.....	61c.
SUPERB FRINGED, mixed.....	61c.

Collection of the 10 Packets named above for

\$5.00

Complete price lists forwarded on application.

SUTTON & SONS, Reading, Eng.

THE KING'S SEEDSMEN

CINERARIA HYBRIDA

Remember this is the

BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants,

1012 West Ontario St., Philadelphia, Pa.

Look Carefully Through The Buyers' Directory

It is the Key to the offers of Advertisers in each issue.

It will remind you of the things you need now.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Jap. Lilies, Raffia, Roses, Rhododendrons, Boxwood, Manetti, Evergreens.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

DAHLIA ROOTS

Whole Field Clumps At \$ or per 100 and up, 10 0 in to distinct kinds either Show, Decorative or Cactus our selection 0 kinds for \$40.00 cash.

CANNA ROOTS

Strong Division, -At \$ or per 100, \$12 00 per 1000 and up Send to List.

R. VINCENT, Jr. & SONS CO. White Marsh, Md.

Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	.....\$0.10	\$0.20
Blue Perfection	.....15	.50
Imperial Dwarf Blue	.....10	.25
Imperial Dwarf White	.....10	.25
Little Dorrit	.....15	.50
Swanley Blue	.....10	.25
Little Blue Star, trade pkt. 50c., 3 pkts. for \$1.25.		

BODDINGTON'S MAUVE BEAUTY
Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSUM

White Gem.
A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. \$1.00.

	Trade pkt.	Oz.	1/4 lb.
Little Gem, dwarf, best for pots	.....\$0.10	\$0.30	\$1.00
Carpet of Snow, for hanging baskets and borders	.....10	.40	1.25
Sweet (the old variety).	.....10	.15	.50

ASTERS

BODDINGTON'S Asters are Famous.
Write for catalogue of other varieties and prices.

	Trade pkt.	1/4 oz.	Oz.
Aster Ely Wonder, white.	.....\$0.25	\$.75	\$2.00
Aster Ely Wonder, pink.	.....25	.75	\$2.00

QUEEN OF THE MARKET ASTERS.

	Trade pkt.	Oz.
Boddington's Extra Early.	.....\$0.20	\$0.60
Pink	.....20	.60
Light Blue	.....20	.60
White	.....20	.60
Dark Blue	.....20	.60
Crimson	.....20	.60
Rose	.....20	.60
Flesh-Color	.....20	.60
Light Rose	.....20	.60
Scarlet	.....20	.60
Red-Lilac	.....20	.60
Finest Mixed	.....20	.60

BRANCHING ASTERS

	Trade pkt.	1/4 oz.	Oz.
Vick's Branching.	.....\$0.25	\$0.35	\$1.00
Crimson	.....25	.35	1.00
White	.....25	.35	1.00
Purple	.....25	.35	1.00
Violet	.....25	.35	1.00
Rose	.....25	.35	1.00

	Trade pkt.	1/4 oz.	Oz.
Carlson's Branching.	.....\$0.25	\$0.35	\$1.00
Lavender	.....25	.35	1.00

	Trade pkt.	1/4 oz.	Oz.
Shell-Pink	.....\$0.25	\$0.35	\$1.00
Upright White	.....25	.35	1.00
Trade pkt. each of the collection of 8 varieties for \$1.75.			

	Trade pkt.	1/4 oz.	Oz.
Vick's New Early Branching, white	.....\$0.25	\$.75	\$2.00
Vick's New Early Branching, pink	.....25	.75	2.00

BODDINGTON'S GIANT

ANTIRRHINUM

(Height, 3 Feet.)

	Trade pkt.	Oz.	1/4 lb.
Coral-Red, striking color	.....\$0.20	\$0.60	
Carmine, splendid color	.....20	.60	
Daybreak, light pink	.....20	.60	
Brilliant, scarlet, golden yellow and white	.....20	.60	
Crescia, dark scarlet	.....20	.60	
Queen Victoria, pure white	.....25	1.00	
Luteum, yellow	.....20	.60	
Firefly, scarlet	.....20	.60	
Romeo, deep rose	.....20	.60	
Lilacium, beautiful lilac	.....20	.60	
Mixed	.....20	.60	

BEGONIA

	Trade pkt.	Oz.
Boddington's Crimson Bedder	.....\$0.50	
Erfordii, carmine	.....25	
Semperflorens	.....25	
Vernon grandiflora, 1/2 ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.....25	

CINERARIA

	Trade pkt.	Oz.
Cineraria maritima, 1 1/2 ft.	Trade pkt. 10c., oz. 25c.	
Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated.	Trade pkt. 50c., \$2.00 per oz.	

CENTAUREA

	Trade pkt.	Oz.
Candidissima	.....\$0.25	\$1.00
Gymnocarpa	.....15	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	.....\$0.10	\$0.50

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	.....\$0.10	\$0.30
Alba, White	.....20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing; light blue	.....\$0.15	\$0.40
Erinus speciosa, deep blue; trailing	.....15	.50
Crystal Palace compacta	.....30	1.50
Emperor William compacta	.....25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select pikes under glass. Trade pkt. 60c., 1/2 oz. \$1.00, per oz. \$7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	.....\$0.10	\$0.50
Palustris Semperflorens, ever-blooming	.....25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Snowball, Double. The finest double; pure white, 1/2 trade pkt. 60c., trade pkt. \$1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Bar Harbor Beauty. Single. Color a beautiful rose...\$0.25

Boddington's Ruffled Giants. A grand selection of single fringed Petunias.....50

Boddington's Inimitable Dwarf Compact Hybrids, Single. Flowers blotched and striped.....25

Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 5 pkts. \$1.00.....\$0.25

PETUNIAS—Continued

	Trade pkt.	Oz.
Emperor, Single. Large blossoms distinct in form, coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.....50	
Howard's Star. Rich crimson, with a distinct white star in center	.....25	
Rosy Morn. Soft carmine pink	.....25	
Snowstorm. Pure singlewhite	.....25	
Hybrida, Single Mixed. Oz. 50c.	.....15	

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	.....\$0.10	\$0.25
Selaginoides. Foliage fine serrated	.....15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved. 1/2 trade 25c.	.....\$0.40	\$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1 1/2 feet	.....\$0.25	\$2.00
Splendens (Scarlet Sage)	.....25	1.00
Splendens, Ball of Fire. Very dwarf and early	.....25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free flowering 1/4 oz. \$2.00	.....50	
Splendens aucubaefolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flowers	.....25	2.50
Splendens Carminea (new). Splendid rose carmine Dwarf	.....50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen	.....50	
Splendens pendula. Drooping spikes	.....25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	.....50	
Splendens, Zurich, 1/4 oz. \$1.50.	.....50	5.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	.....\$0.25	\$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.....25	1.25
Boddington's Mammoth Blue	.....25	1.25
Boddington's Mammoth Pink	.....25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.....25	1.25
Boddington's White (Candidissima). Pure white	.....25	1.25
Boddington's Striped. Many colors (Aloysia citrodora)	.....25	2.00

VINCA

	Trade pkt.	Oz.
Alba, white	.....\$0.15	\$0.50
Rosea, rose	.....15	.50
Rosea alba, rose and white	.....15	.50
Mixed	.....10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (Is now ready), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th STREET
NEW YORK CITY

LILACS

Pot Grown for Forcing.

Mme. Lemoine, double white; Chas. X., reddish purple; Marie LeGraye, creamy white,

\$25.00 per 100.

ELLIOTT AUCTION CO. 42 Vesey St.,
New York

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

WRITE FOR A COPY NOW

1911 CATALOGUE

Of ALPINE and HERBACEOUS PLANTS

(A Mine of Information)

JAMES BACKHOUSE & SON, Ltd.

YORK, ENGLAND

Do It Now!

Send 10 cts. to cover postage

NEWS NOTES.

Marysville, Kans.—H. R. Fisher is now proprietor of what was formerly the Marysville Floral Co.

Oakland, Calif.—A branch store of the San Francisco Evergreen Co. will be opened here in the near future.

Chicago, Ill.—J. H. Rohmer has been engaged as carnation foreman for Wietor Bros. He was formerly with Bassett & Washburn, Hinsdale.

Altavista, Va.—The Altavista Truck & Floral Co. has been organized here by David Harris, formerly manager of the Glennova Gardens, Huntsville, Ala.

Ocean Heights, N. J.—The greenhouses of M. S. Fleming have been purchased by George H. Berke, and will hereafter be known as the George H. Berke Nurseries; a general line of stock will be grown.

Bar Harbor, Me.—John H. Stalford has erected the largest greenhouse in town on property he recently purchased in the rear of the Malvern Hotel. This house is 200 feet long with concrete walls and every modern improvement.

St. Louis, Mo.—The Alexander Floral Co. is a new firm just started here. Four acres of land have been purchased near the North and South road and one greenhouse 25 x 150 feet is being constructed. Roses at present will be their specialty.

1911

NEW and RARE

SHRUBS

and

VINES

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

There are a lot of grasshopper growers in America—Hopping Willies—kid glove geranium growers, who manage to exist on a job here and there as long as their canned horticultural knowledge lasts and before the crop comes in and the boss finds out he's up against it. They are the real "green-fly" of the growing business. The great trouble with the majority of help a man hires is that they gauge their labor by their wages and the boss never believes they are worth more than they get. You may think your employer is easily fooled but look out that it is not you who is fooled, for the average employer is very watchful of the actions of his men and generally knows more than is generally credited to him about it. The only men who ever succeed are the stick-to-it kind; perseverance pays plus. They are the kind who realize the boss has more cares than the employee, and as they gradually shoulder these cares, they become the boss themselves. There comes a time when every boss is glad to lay down his tools, especially when he knows a good man to take them up. Rome was not built in a day.

Now some buyers of bulbs are like Hopping Willies—buying from one man and another—the first arrival usually. Don't do that—make your order interesting to a good house and that house will take better care of you than half a dozen houses, each with a part so small that it hardly pays them to call again. Get as near the real source of supply of quality as you can, for your own sake, and you will profit by it. In lily bulbs and french bulbs you can't get nearer to the source of quality than **Horse-shoe Brand**, and the real cost is no more and often less. You can't buy better bulbs anywhere and you might get worse. Prices reasonable



Ralph M. Ward & Co
12 West Broadway
NEW YORK CITY

Cold Storage Giganteum of superior quality on hand—order now for delivery in 1911.

Not How Cheap But How Good

Seed Trade

Mr. Sempke, who represents W. W. Barnard on the road, spent part of last week calling on the St. Louis trade with good results.

Logan City, Utah.—The new address of the seed store of T. J. Poulter is 122 North Main street, they having moved on Jan. 1st.

San Diego, Calif.—George R. Seley, after having been engaged in other business for several years, has opened a seed store at 1544 E street.

Springfield, Mo.—The Springfield Seed Co., at a recent meeting of the stockholders, voted to increase the capital stock from \$25,000 to \$75,000.

Gibbsboro, N. J.—A contract seed growing business has been started here by John C. Long, formerly manager of the Panmure Seed Gardens, Newfield, N. J.

Springfield, Mo.—The Diamond Seed Co. has been incorporated with a capital stock of \$25,000. The incorporators are W. J. Wood, T. H. Sander and others.

Houston, Texas.—The Cross S. Farming Co. has been incorporated with a capital stock of \$1,000,000, to grow, sell and purchase seeds, plants, trees, etc. Incorporators: E. J. Buckingham, Carl F. Groos, H. L. Howard and Mason Williams.

Curtis Nye Smith has just received a telegram from Hon. Jas. R. Mann, chairman of the Committee on Interstate and Foreign Commerce, H. R., that the hearing on the Mann Seed Bill has been postponed to February 2nd. Mr. Smith has notified President F. W. Bruggerhof of the Wholesale Seedsmen's League, that on January 9th Senator Depew introduced in the Senate of the United States a bill (S. 10,098) to provide for the introduction of foreign nursery stock by permit only, etc.

LOW FARES TO ITHACA.

The New York State College of Agriculture has just been notified by the Secretary of the Trunk Line Association that a reduced rate of 1½ cents a mile within a radius of 150 miles of Ithaca has been granted for Farmers' Week and that tickets are good from February 18th to 25th inclusive. This is a marked reduction and should command attention from all persons considering the possibility of attendance at Farmers' Week at Ithaca.

CHARLES H. TUCK.

IN BANKRUPTCY.

Troy, N. Y.—Josiah L. Young, engaged in an agricultural, seed and flower business at 375 River street has filed a petition in voluntary bankruptcy. Liabilities \$21,315, assets \$17,778.

Jan. 6, 1911.

Dear HORTICULTURE:—An old fellow who lost his wife said, "By jocks, I'd rather lost a good cow." So I'd rather part with a dollar than forego the pleasure of your company for another year. Here's the evidence—P. O. money order, \$1.00.

Iowa.

E. S.



**The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS**

STOCKS	BEGONIA GRACILIS
Tr. pkt. Oz.	Tr. Pkt.
Beauty of Nice, pink, 50c \$2.00	Rosea, pink, \$0.30
Queen Alexandra, lavender, 50c \$2.00	Luminosa, scarlet, 0.40
Victoria, pure white, 50c \$2.00	Alba, white, 0.30

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co.,

518 Market St.,
PHILA., - - PA.

PHILADELPHIA NOTES.

Jno. Burton of Chestnut Hill has been seriously ill with grippe, lumbago and other complications for the past week, and at this writing (January 11) is reported no better. We do not wish to be an alarmist but, like the rest of his myriads of friends, we are some anxious.

Hugh M. Taylor of Lloyd, Fla., a distinguished water melon grower, and W. Fosgate of Santa Clara, Cal., one of the leading general seed growers of the Pacific coast, were the guests of Howard M. Earl, of W. Atlee Burpee & Co., at Dooner's on the evening of January 6th. Your correspondent had the pleasure and honor of a hurried introduction to these distinguished visitors—and hopes to have a chance for more intimate acquaintance the next time—so that the readers of Horticulture may get the benefit of their researches and conclusions in their special lines. If he is fortunate enough to get this it will be worth reading.

W. H. Grenell, of Saginaw, Mich., and Pierrepont Manor, N. Y., was in Philadelphia recently and enjoyed interviews with the seed trade of that city. Mr. Grenell is considered one of the leading seed growers for the wholesale trade—his specialty being peas and beans. He has held a high position in that line for the past 25 years. At one time he had the honor of being president of the Seed Trade Association of America. On being asked, he gave a rather pessimistic forecast as to the pea and bean outlook, and could see no probability for the growers making any money in the near future—not within the next three years at least. He made the sensational statement that new stocks would have to come from abroad before we could get back on an even keel. This is strenuously denied by some leading seedsmen here. The idea seems to prevail that the growers are exaggerating the situation—even acknowledging the fact that they have been "up against it" for a year or two. One thing is sure—there will have to be bigger profits both in the growing and vending of high-grade seeds, if the same high-class ability is to continue in the business instead of having bright,

honest and experienced men drifting into easier and more profitable occupations.

Visitors:—G. Carson Boyd, Wilmington, Del.; John A. Cook, Beverly, N. J.; Mrs. McAllister, Passaic, N. J.; Chas. Rooney, Edgemoor, Del.; James Cruickshank, of R. & J. Farquhar & Co., Boston, Mass.; G. Braselman, New Castle, Indiana.

W. E. Maynard of N. Y., was another of our rare visitors recently. He is as debonnaire and hearty as ever and it is as good as a trip to Atlantic City to have a half hour's chat with him.

INCORPORATED.

Lawrence, Kans.—The Ince Nursery Co., capital stock \$10,000. President, Paul R. Brooks; vice-president and manager, J. W. Ince; secretary and treasurer, E. L. Ince.

St. Joseph, Mo.—The Kelsey Nurseries, capital stock \$50,000; to conduct a general nursery business. Stock holders, Edwin S. Welch, Ida A. Welch of Shenandoah, George L. Welch, May H. Welch of Fremont, Nebr., Charles G. Ferguson, Anna B. Ferguson and Carl A. I. Ferguson of St. Joseph, Mo.

Westboro, Mass.—Manuel Gardner has given up his position with his father and accepted one in the Walter E. Draper greenhouses in Rochdale.

Jack Frost Mats

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS,

42 Vesey St., New York

For Sale

1000 lbs surplus Onion Seed 1910 crop

N. J. WESTERMAN

Contract Onion Seed Grower

BUECHEL, . . . KY.

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.; Ounce, \$5.00
Finest Mixed	60c.; " 4.00
Crimson	60c.; " 4.00
Canary Yellow	60c.; " 4.00
Dark Blue	60c.; " 4.00
Deep Blood Red.....	60c.; " 4.00
Apple Blossom.....	60c.; " 4.00
Rose	60c.; " 4.00
Light Blue	60c.; " 4.00
Scarlet	60c.; " 4.00

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WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

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WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas Beans and Garden
Seed. Headquarters

228-230
W. KINZIE STREET CHICAGO

CYCLAMEN PERSICUM GIGANTEUM "BERGLINDEN STRAIN"

New Crop Just Received, Cannot Be Equaled
in This Country

Mont Blanc, pure white, Atropurpureum, Superbum, white with dark eye, Roseum, Rose V. Marienthal, Salmon-
cum, Lilacinum, beautiful lilac, 60c. per
100, \$5.00 per 1000 seeds; Rococo, extra
large fringed, 75c. per 100, \$6.00 per
1000 seeds.

VALLEY PIPS

Just In

Quality Special Best Forcing Grade
Price per 1000, \$12.00, in cases of 2000
Pips.

Also all other flower seeds and bulbs for florists

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

PANSY SEED

Best strain of home grown Pansy Seed obtainable, a strain that will be sure to please you.

Trade p'k't. 50c; 1/2-oz. \$1.50; 1-oz. \$5.00

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. Wholesale list now ready.

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82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

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For Present Sowing

List ready; mailed free on application

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Established 1820

**Thorburn's
Bulls**

VALLEY PIPS.

Our usual highest grade at reduced price for present delivery.

In case of 1000 pips.....@ \$9.00 per 1000
In case of 3000 pips.....@ 8.00 per 1000

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33 Barclay Street
NEW YORK

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

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MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

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**CAULIFLOWER
CABBAGE**

MANGOLD, SWIDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In Writing to Advertisers
Kindly Mention "HORTICUL-
TURE."

An UP-TO-DATE SEED CATALOG

Aggeler & Musser's 144 page, 1911 Seed Catalog Has Just Been Received.

The Lithograph cover is a work of art. And the 144 pages are full of information valuable to the **RANCHER** or **GARDENER**, particularly to the beginner. If you have not received their Catalog be sure and send for it at once.

AGGELER & MUSSER SEED CO.
113-15 No. Main St., Los Angeles, Cal.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

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Kansas City, Mo.
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All Orders Given Prompt and Careful Attention



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D. C.

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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO

Kansas City, - - Mo

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Rutland, Vt.—O. L. Hill has discontinued his florist business.

Sabula, Iowa.—W. B. Lovell, florist, and Mrs. Galliard were married recently.

Rumford Falls, Me.—Davis, the florist is to move into the new Stevens store on Congress street.

Boston, Mass.—Quint & Weis have closed the flower store recently opened at 379 Boylston street.

Fitchburg, Calif.—The residence of Domoto Bros., Japanese florists, was destroyed by fire recently. Loss about \$3,000, no insurance.

Rochester, N. Y.—It is stated that Thomas Cogger, florist, has asked to be declared bankrupt; liabilities \$2,046.45, assets about \$100.

Cleveland, Ohio.—We are informed that The Flower Shop at 1282 Euclid

STEAMER DEPARTURES	
Allan.	
Pretorian, Boston-Glasgow.	Jan. 20
American.	
Adriatic, N. Y.-Shampton.	Jan. 21
Atlantic Transport.	
Minneapolis, N. Y.-London.	Jan. 14
Minnehaba, N. Y.-London.	Jan. 21
Cunard.	
Ivernia, Boston-Liverpool.	Jan. 17
Lusitania, N. Y.-Liverpool.	Jan. 18
Caronia, N. Y.-Medit'r'n'n.	Jan. 21
French.	
La Provence, N. Y.-Hayre.	Jan. 19
Hamburg American.	
Pres. Lincoln, N. Y.-H'm'rg.	Jan. 14
Holland-American.	
Potsdam, N. Y.-Rotterdam.	Jan. 17
North German Lloyd.	
K. Luise, N. Y.-Medit'r'n'n.	Jan. 21
F. Der Grosse, N. Y.-Br'm'n.	Jan. 14
K. Wilhelm, N. Y.-Bremen.	Jan. 17
Red Star.	
Gothland, N. Y.-Antwerp.	Jan. 18
White Star.	
Laurentic, N. Y.-Liverpool.	Jan. 14
Adriatic, N. Y.-Shampton.	Jan. 21

avenue, run by E. C. Rock and W. J. McNulty, has gone out of business.

Pottsville, Pa.—Fire destroyed the contents of the florist store of W. Guy Payne during a fire which burned the block in which the store is located. Loss about \$250.

Detroit.—The comparatively short supply is in reality causing a good deal of loss in business. Retailers have no opportunity to make any great display and prices rule too high to be popular.

Bellevue, Ohio.—R. C. Arlin, of Clyde, has purchased the florist business of I. Husbands. Mr. Husbands will retire from business. Mr. and Mrs. Arlin have conducted the Bellevue Cut Flower Store on South West street for sometime and will still continue the same under the name of R. C. Arlin Flower Store. The greenhouses will also go under his name.

Louis Winter has opened the "Ideal Cut Flower Store" at 25 N. Ninth street, Philadelphia.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

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Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

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Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

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Telephone 1552-1553 Columbus

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor

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42 West 28 St., NEW YORK
"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

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DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 SEATTLE, WASH.
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Orders given prompt attention.

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BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ.
550 South Fourth Ave.

Selling Merit! Intrinsic Value!

These are the qualities we promised you in our Holiday Goods. The record shows the result—**The Biggest December Business We Ever Did**—and now we are ready to take care of your mid-season wants. Quality and Price are our strong points. We have no competitors.

SEND FOR LIST OF GOOD SELLING SUPPLIES

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

CHICAGO NOTES.

Important Move Anticipated.

A meeting of the stockholders of the Flower Growers' Market was held Sunday, Jan. 8th, and their location after the 1st of May discussed. A proposition to occupy a new building at the northwest corner of Lake and Market streets, to be completed by Sept. 1st, was submitted to them and the same will be presented to the wholesale florists and commission men in the Atlas block during the present week. It is generally known that the Atlas block which now houses fourteen wholesalers, is to be torn down in the near future, thereby making a new location necessary at some time. Should the proposed location be accepted the shipping facilities will be even better than at the corner of Randolph and Wabash, which has been the stronghold of the wholesale florists for many years. Meanwhile some suitable location in the old neighborhood may present itself, as the building east of Randall's and Amling's, but this would hardly accommodate all likely to seek new quarters in the near future.

Storm.

Considerable glass was destroyed on

Sunday, Jan. 8th, by the hurricane which swept over the city, the wind blowing continuously for five hours, and reaching a velocity of 62 miles. When the large plate glass windows of the stores are blown in it is really remarkable that no more serious damage was done to the areas of glass in and about the city. Cranston seems to have suffered most though all places have not yet been heard from. Bassett & Washburn, at Hinsdale, had considerable glass to replace, and the Batavia Greenhouse Co. kept a force of men employed all day to repair damage. The intense cold made quick work necessary to protect stock. Frank Beu had a pile of sash held down by a heavy iron door which the wind carried away with the loss or but one sash, and Miss Gunterberg, commission dealer, having no greenhouses to be demolished, had to surrender her eye glasses to the gale. Among the more serious results was the injury to James Smith, employee of Peter Reinberg, whose head was so severely cut when he was hurled to the icy walk that a physician took several stitches in the gash.

Cold Storage Facilities.

At a meeting of the wholesalers held Tuesday afternoon a proposition was submitted by representatives of the University of Chicago to erect such a building as florists would find most convenient and equip with cold storage, etc. The site is to be the S. W. corner of Lake and Market streets, and has a frontage of 200 ft. on the river and 200 ft. on Market street.

After some discussion it was decided to call frequent meetings and reach a decision as early as possible. All interested are invited to attend.

Trade News.

The E. F. Winterson Co. is receiving a car load of cannas from the A. T. Boddington Co. this week. Their new catalog will soon be out.

The business of the firm of Canger & Gormley will hereafter be assumed by John Canger. The death of his partner John J. Gormley was announced last week.

Last week the E. Wienhoeber Co. had a table decoration which called for 180 white orchids and but two days in which to get them. A telegram to the east secured these favorites and a man was sent with them to assure their safe arrival. Mr. Wienhoeber

regards the present season as rather above the average in business.

Personal.

Chas. McKellar's condition is still quite serious, blood poisoning having developed in both hands.

A. F. Longren and C. W. Johnson, representatives of the E. H. Hunt supply house, are both started on their first trips of the new year. They found trade excellent on their last trip and the house reports a larger business than ever before in its history.

Visitors: Geo. Brown, Greenfield, Mich.; A. N. Pierson, Cromwell, Conn.; Albert Stahling, Detroit; Thos. Brown, Detroit; W. H. De Graaff, Leiden, Holland.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main st.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St and Madison Ave.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Detroit, Mich.—Philip Breitmeyer has sold the Breitmeyer Building for something like \$400,000—which enabled him to clear up the estate and dissolve the Breitmeyer Building Co. He personally leased the building for 20 years and intrusted his son Harry with the management of the same.

The Michigan Cut Flower Exchange being unable to renew its present lease has bought 75 feet frontage on Randolph street and will erect thereon a commodious, up-to-date wholesale house next summer.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.
Mention Horticulture when you write

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

WHITE LILAC

\$1.00-\$1.50 per bunch

Single Daffodils
\$4.00-\$5.00 per 100**SWEET PEAS**
\$1.00 per 100

We will have a big supply of Valley, Romans, Narcissus, Easter and Calla Lilies.

When in the market let us quote you.

The Leo Niessen Co.**WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES**EDWARDS FOLDING BOX CO**
MANUFACTURERS
PHILADELPHIA, PA.**CHAS. W. McKELLAR**

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**PETER REINBERG****WHOLESALE****CUT FLOWERS**

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CUT FLOWERS

Greenhouses, - Morton Grove, Ill

George B. Hart**WHOLESALE
FLORIST**

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The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

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Rice BrothersWholesalers of Cut Flowers and
Florists' Supplies**Minneapolis, Minn.**In ordering goods please add "I saw
it in HORTICULTURE."**To Cut Flower Growers and
Retail Florists****IF YOU**want to find a market for your
productwant a regular or special supply
of the product of the best
growersConsult the Advertisements on
these Wholesale Flower PagesThe Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade**WELCH BROS.****AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED**

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

ROSES	CHICAGO Jan. 10	WIN CITIES Jan. 10	PHILA. Jan. 10	BOSTON Jan. 10
Am. Beauty, Fancy and Special...	35.00 to 50.00	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00
Extra	30.00 to 35.00	30.00 to 40.00	25.00 to 30.00	25.00 to 40.00
No. 1	20.00 to 30.00	15.00 to 30.00	15.00 to 20.00	10.00 to 15.00
Lower grades	10.00 to 20.00	6.00 to 15.00	6.00 to 10.00	6.00 to 8.00
Bride, 'Maid, F. & S.	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	6.00 to 8.00
Lower grades	4.00 to 5.00	5.00 to 8.00	4.00 to 6.00	4.00 to 5.00
Richmond, Chatenay, Fancy & Special	10.00 to 15.00	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00
Lower grades	5.00 to 6.00	5.00 to 8.00	3.00 to 6.00	4.00 to 6.00
Killarney, My Maryland, Fan. & Spl.	10.00 to 15.00	6.00 to 8.00	8.00 to 12.00	6.00 to 12.00
Low grades	5.00 to 6.00	4.00 to 6.00	3.00 to 6.00	4.00 to 6.00
CARNATIONS, First Quality	4.00 to 5.00	3.00 to 5.00	4.00 to 5.00	3.00 to 4.00
Ordinary	2.00 to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	60.00 to 75.00	60.00 to 75.00	40.00 to 50.00	50.00 to 60.00
Cypripediums	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Lilies, Longiflorum	12.00 to 15.00	12.50 to 15.00	10.00 to 15.00	8.00 to 12.00
Lily of the valley	3.00 to 5.00	3.00 to 4.00	3.00 to 5.00	2.00 to 4.00
Violets	.75 to 1.00	.75 to 1.25	.25 to 1.25	.35 to .75
Mignonette	3.00 to 6.00	..... to 1.00	2.00 to 4.00	2.00 to 4.00
Lilac, per bunch	3.00 to 4.00	..... to 1.25	1.00 to 1.50	..... to 1.00
Tulips	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00
Roman Hyacinths, Paper Whites	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00	1.00 to 1.50
Daffodils	..... to 3.00	..... to 4.00	..... to 3.00	..... to 3.00
Daisies	1.00 to 1.25	..... to 1.00	..... to 3.00	..... to 3.00
Snapdragon	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Sweet Peas	.75 to 1.00	..... to 1.00	.50 to 1.00	.50 to 1.00
Gardenias	35.00 to 50.00	25.00 to 35.00	10.00 to 30.00	20.00 to 25.00
Adiantum	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 20.00	12.50 to 20.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 70.00	35.00 to 50.00	50.00 to 70.00
" " & Soren. (100 bchs)	34.00 to 50.00	14.00 to 35.00	25.00 to 40.00	..... to 14.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,15 PROVINCE STREET,
9 CHAPMAN PLACE,**BOSTON, MASS.****J.A. BUDLONG**

37-39 Randolph Street, CHICAGO.

**Roses and
Carnations
A Specialty.....****WHOLESALE
GROWER of CUT FLOWERS****HOERBER BROS.,** 51 Wabash Ave., Cut Flowers ALWAYS GOOD.
CHICAGO, ILL. FRESH STOCKLong Distance Phone
Randolph 2758Telegraph, Telephone or
Bring in Your OrdersWe Grow Our Own Flowers
Roses and Carnations Our Specialty**WILLIAM F. KASTING CO.,****ROBERT J. DYSART**
Public Accountant and Auditor**WHOLESALE FLORISTS**

383-387 Ellicott Street

BUFFALO - N. Y.Simple methods of correct accounting
especially adapted for florists' use.**Books Balanced and Adjusted**Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

Flower Market Reports

BOSTON Business has picked up a little within a few days and is decidedly improving as compared with conditions of a week ago. Roses are especially showing strength. Violets have weakened in price and carnations remain about stationary. Orchids are again plentiful—particularly Cattleya Trianae. Gardenias have broken badly, largely on account of shipments from Philadelphia, where they appear to be in excess of requirements. Lily of the valley is plentiful and selling at normal rate. Lilies also move fairly well. Lilac is a staple just now, of excellent quality and gradually making for itself a place in the local market.

Since the holidays, trade **BUFFALO** has been a little on the quiet side, though it cannot be said that business has been dull, the weekly calendar being filled with receptions, balls, etc. The market has been in good condition and has cleaned up daily except on one or two lines. Beauties have had no demand whatever and seemed to remain with the wholesaler, while not enough Richmonds could be had. Violets and lily of the valley are in good supply, but demand somewhat weak. Carnations are coming in more plentifully and some choice stock is received. Beacon and Enchantress have had the best sale, while Pink Delight, Melody and Ideal are good and sell readily. Narcissi are a little too plentiful. Roman hyacinths, lilies and peas shared in the demand. Too much smilax at present, but other greens sold well.

CHICAGO A decrease in the quantity of stock coming in is the main point of difference this week from that of last. While there is plenty to go around and no one need fear that his order may not be readily filled there is less to be found by the late comers and customers can no longer dictate prices. Beauties feel this change as much as any flower now in the market, and long ones are more quickly disposed of than the short grades, a condition just the opposite of a week ago. Roses are of excellent quality and the market has few left each day. There are some especially fine Killarneys and those growers who have dropped Bridesmaid in their favor are not regretting the change. Carnations may be had at all prices and the best ones are well worth the price asked. Quite a number of bursted calyxes are seen and these sell at one-half price for funeral work. Tulips are here too early to find a hearty welcome. Lilies are plentiful enough to meet the demand. Orchids locally grown supply small orders and peas, violets and lily of the valley move along fairly well. It is thought that ferns may advance in price on account of the increased charges for cold storage.

Conditions in the cut **CINCINNATI** flower market have been fairly satisfactory since the beginning of the New Year. Roses are less plentiful. A heavy crop for the holidays has resulted in some shortening of receipts. Beauties have fallen to their normal mid-winter price, with the medium



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With their purity, fragrance and rich glossy green foliage, choicest quality carefully packed, insuring perfect blooms.

SPECIALS, dozen.....\$4.00
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Per bunch.....\$1.00
Medium, per bunch..... .75

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Fine large heads.....\$25 per 100

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Two splendid, new roses

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WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURGH	
ROSES	Jan. 10		Jan. 10		Jan. 10		Jan. 10	
Am. Beauty, Fan. and Sp.....	50.00	to 60.00	30.00	to 40.00	40.00	to 50.00	40.00	to 50.00
" Extra.....	23.00	to 30.00	20.00	to 30.00	25.00	to 30.00	25.00	to 30.00
" No. 1.....	10.00	to 15.00	15.00	to 20.00	10.00	to 15.00	15.00	to 20.00
" Lower grades.....	6.00	to 10.00	5.00	to 12.00	5.00	to 7.00	6.00	to 12.00
Bride, 'Maid, F. & S.....	6.00	to 8.00	10.00	to 15.00	8.00	to 10.00	8.00	to 10.00
" Low. gr.....	3.00	to 4.00	4.00	to 10.00	4.00	to 8.00	4.00	to 6.00
Richmond, Chateauf, Fancy & Special	6.00	to 8.00	10.00	to 18.00	10.00	to 15.00	8.00	to 18.00
" Lower Grades.....	4.00	to 5.00	4.00	to 10.00	4.00	to 8.00	4.00	to 6.00
Killarney, My Maryland, Fan. & Spl.	6.00	to 8.00	8.00	to 12.00	8.00	to 12.00	8.00	to 10.00
" Low. Grades	4.00	to 5.00	4.00	to 8.00	6.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality.....	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	2.00	to 3.00
" Ordinary.....	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	.....	to 1.50
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	50.00	to 60.00	50.00	to 60.00	.....	to 75.00
Cypripediums.....	15.00	to 25.00	15.00	to 25.00	10.00	to 15.00	.....	to 15.00
Lilies, Longiflorum.....	10.00	to 12.00	12.50	to 15.00	12.00	to 15.00	12.00	to 15.00
Lily of the valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets.....	1.00	to .75	1.00	to 1.50	.60	to 1.00	.75	to 1.00
Mignonette.....	1.00	to 3.00	2.00	to 4.00	2.00	to 3.00	1.00	to 3.00
Lilac, per bunch.....	.....	to 1.50	.....	to 1.50	.....	to 1.50	.....	to 1.50
Tulips.....	3.00	to 4.00	4.00	to 5.00	3.00	to 4.00	3.00	to 4.00
Roman Hyacinths, Paper Whites..	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	2.00	to 3.00
Daffodils.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Daisies.....	.50	to .75	1.00	to 2.00	1.00	to 2.00	1.00	to 2.00
Snappedragon.....	1.00	to 5.00	4.00	to 8.00	4.00	to 6.00	2.00	to 3.00
Sweet Peas.....	.75	to 1.00	1.00	to 2.00	.50	to 1.00	.50	to 1.00
Gardenias.....	40.00	to 50.00	40.00	to 50.00	30.00	to 40.00	.....	to 35.00
Adiantum.....	1.00	to 1.50	1.00	to 1.50	.50	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	15.00	to 20.00	.....	to 15.00	.....	to 20.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	30.00	to 30.00	40.00	to 60.00	50.00	to 60.00
" " & Spreng. (100 bchs.)	25.00	to 35.00	20.00	to 30.00	35.00	to 50.00	30.00	to 75.00

grades scarcer and in more active demand than the specials. Pink and White Killarney are easily the favorite roses of the day, judging by the quantity consumed. There is an extra

heavy demand for short grades of all white and pink sorts. Richmonds are in less active demand than a week ago, although cleaning up nicely. Carna-

(Continued on page 54)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Jan. 7 1911		First Half of Week beginning Jan. 9 1911	
American Beauty, Fancy and Special.....	30.00	to 40.00	30.00	to 40.00
" " Extra.....	20.00	to 30.00	20.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	4.00	to 6.00	4.00	to 6.00
Bride, 'Maid, Fancy and Special.....	6.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 4.00
Richmond, Chateauf, Fancy and Special.....	6.00	to 12.00	6.00	to 12.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 5.00
Killarney, My Maryland, "Fancy and Special.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	2.00	to 6.00	2.00	to 5.00
Carnations, First Quality.....	3.00	to 4.00	3.00	to 4.00
" " Ordinary.....	2.00	to 3.00	2.00	to 3.00

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Flower Market Reports

(Continued from page 53)

tions have dropped at least 50 per cent in price and are coming in more plentifully since the New Year, the call for white and light shades predominating. Double violets are overabundant, the majority selling below the dollar mark. Good singles are coming in more freely. Sweet peas are selling but not well, the supply increasing daily. Of paper whites and Roman hyacinths there is an abundant supply. Longiflorum lilies and callas meet with a ready sale. Lily of the valley is in good supply and sells fairly well. Poinsettias are still to be had and there is yet call for them. One of the growers in this vicinity missed a big houseful for the holidays. Asparagus plumosus and Sprengerii in very active demand and more could have been sold especially plumosus. Of smilax there is an abundance with a moderate demand.

Conditions are gradually assuming normal mid-winter form. The supply in general is not excessive and the daily demand has kept it fairly well on the move. There is no difficulty to fill orders for anything in the line of choice or ordinary cut flower material and the quality generally is most excellent. Cattleyas are no longer on the short side and gardenias have also become very plentiful. The receipts of violets are increasing.

Of course, nobody PHILADELPHIA looks for any brisk trade during most of January. On the contrary, all the people interested in the cut flower business expect a dull two weeks at least. This year was no exception. The usual reaction was here, and general conditions for the past week were very little different from what they have been for several years. A few small glints of sunshine came the latter part of the week when several good-sized functions in the social world loomed up, and helped to give the market a fairly good clean-up; but not enough to raise prices above regular quotations. Of Beauties there are not nearly as many coming in as a week ago. Quality of these is still O. K. for the season. Plenty of fine Richmonds. White roses find ready sale but pinks are exceedingly sluggish and greatly over done as to supply. They hang fire very much—especially the higher grades; which would seem to be not in accord with Adolph Farenwald's dictum—that what swamps the market is—"too

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Jan 7 1911	First Half of Week beginning Jan. 9 1911
Cattleyas.....	35.00 to 50.00	35.00 to 10.00
Cypripedium.....	8.00 to 10.00	8.00 to 50.00
Lilies, Longiflorum.....	6.00 to 8.00	6.00 to 8.00
Lily of the Valley.....	2.00 to 4.00	2.00 to 4.00
Violets.....	.30 to .50	.30 to .50
Mignonette.....	1.00 to 4.00	1.00 to 4.00
Lilac, per bunch.....	1.00 to 1.50	1.00 to 1.50
Tulips.....	2.00 to 3.00	2.00 to 3.00
Roman Hyacinths, Paper Whites.....	.50 to 1.00	3.00 to 6.00
Daffodils.....	1.00 to 3.00	1.00 to 3.00
Daisies.....	1.00 to 2.00	.50 to 1.00
Snapdragon.....	3.00 to 6.00	4.00 to 10.00
Sweet Peas (per 100 bunches).....	4.00 to 1.00	1.00 to 1.50
Gardenias.....	25.00 to 50.00	25.00 to 35.00
Adiantum.....	.50 to 1.00	.50 to 1.00
Smilax.....	8.00 to 10.00	8.00 to 10.00
Asparagus Plumosus, strings.....	20.00 to 30.00	20.00 to 30.00
" " & Spreng. (100 bchs).....	15.00 to 25.00	15.00 to 5.00

much calico and not enough of silk." In this case it would seem to be too much silk and not enough of calico. Carnations are more plentiful. Good whites sell about as well as anything at present. Orchids, violets, lily of the valley and gardenias, are all on the plethoric platform. Sweet peas are in good supply and never better quality for this season of the year. Among the minor items:—white and yellow daisies and stevia are about the only good sellers. Roman hyacinths, paper whites, lilies, swainsona, etc., very draggy.

The holiday trade in TWIN CITIES the Twin Cities held its own. It was no record breaking business, but fully as good as last year. Cut flowers and pot plants were plentiful, the home market being well able to supply the demand. Holly and mistletoe were practically all sold out; some late country orders could not be filled, but for the cities there was enough. Owing to the dry summer some growers had had to buy new carnation stock, and consequently were not able to cut the usual amount of flowers for the holidays.

A CORRECTION.

In our Philadelphia Notes in last issue occurs the following line in reference to the Jos. Heacock new quarters in the city: "serving the customers of this extensive growing establishment with large plants from Wyncote and Roelofs." This should read: "serving the customers of this extensive growing establishment, with large plants at Wyncote and Roelofs." As corrected the word "plants" takes on a different meaning.

In the same column, in reference to Mr. Pierson's roses read "inner" side of petals, for "under" side.

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Nana, rooted cuttings, 60c. per 100; \$5.00
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100. No. 2, fine plants, 2 to 3 ft. tops,
\$4.00 per 100; \$30.00 per 1000. Fine 1-year,
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Begonia Lorraine, 2½ in., twice trans-
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Cannas, 2 to 3 eyes. King Humbert,
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Pillsbury's Carnation Staple, 50c. per
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Unrooted Lawson, Red Lawson, Carnegie,
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\$5.00 per 1000, prepaid. Ehmanns, Corfu,
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Carnations, rooted cuttings, Light Pink
Enchantress and White Perfection, \$2.00
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New Chrysanthemums.

Wood Bros., Fishkill, N. Y.

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Stock plants, White Bonnafon, Engue-
hard, Perrin, Weeks, White Cloud, Polly
Rose, Comoleta, October Frost, Maud Dean,
Jeanne Rossette Venetta, Pompons Zeno-
bia, Viola, \$2.00 per 100. Ehmanns, Corfu,
N. Y.

Herrington's book on the Chrysanthem-
um mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

CHRYSANTHEMUM STOCK PLANTS,
all ready now. OCTOBER FROST, GOLD-
EN GLOW, ROSIERE, MONROVIA, \$3.00
per 100; \$20.00 per 1000 assorted. POEHL-
MANN, GOLDEN EAGLE, CHADWICK
and YANOMA \$4.00 per 100; \$30.00 per 1000.
PRES. TAFT, white, MRS. W. E. KEL-
LEY, yellow, both novelties last year, \$5.00
per 100. I. M. RAYNER, Greenport, N. Y.

Chrysanthemum Stock Plants. Early
Snow, Polly Rose, Kalb, Poehlmann, Ea-
ton, Nonin, Baby Margaret, Pacific Su-
preme, Gloria, Liger, Duckham, M. F.
Plant, Maud Dean, Leo (Pink Pompon),
Shrimpton, Cullingfordii, Georgianna Pitch-
er, Col. Appleton, Nagoya, etc., \$3.00 per
100; Pres. Taft, Golden King, Mrs. Kelley,
60c. per doz., \$4.00 per 100; Mrs. Wm. Win-
cott (White) and Mrs. A. R. Peacock
(Pink), 1910 Novelties, \$1.00 per doz.
Stafford Floral Co., Stafford Springs, Conn.

CINERARIAS

Cinerarias, large flowering dwarf, the
finest shades, 3 inch, \$3.50 per 100; 2 inch,
\$2.00 per 100. Cash. J. W. Miller, Shire-
manstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

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Coleus, 2½ inch, \$15.00 per 1000. R. C.,
\$4.00 per 1000. Sunnyside Greenhouses,
Barberton, Ohio.

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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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Converse Greenhouses, Webster, Mass.
John McKenzie, North Cambridge, Mass.
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DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.
Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Export, North Dighton, Mass.
Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.
Dahlias, 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Godfrey Aschmann, Philadelphia, Pa.
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EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Eastern Nurseries, Jamaica Plain, Mass.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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A. N. Pierson, Cromwell, Conn.
1911 Catalogue.
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E. G. Hill Co., Richmond, Ind.
3000 Boston and Pierson's Ferns, fine, strong, healthy plants; extra heavy, long fronds; from bench, 5-in., 25c.; 6-in., 35c.; 7 and 8-in., 50c. to 75c. Finest plants in state for making up. Cash. A. G. Lake, Wellesley Hills, Mass.

FERNS — Continued

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N.J.
Neph. Whitman and Scotti from 2½ inch pots, \$3.00 per 100. Runners from bench, \$15.00 per 1000. Scholze, 2½ inch, \$5.00 per 100. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.
Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FEVERFEW

Feverfew, double white from 2-inch pots, \$2.50 per 100, \$20.00 per 1000. Adolph E. Koch, Nobscot, Mass.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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S. S. Pennock-Meehan, Philadelphia, Pa.
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Rice Bros., Minneapolis, Minn.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.
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Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.
15,000 extra strong R. C. now ready; single and double Grant, \$8.00 per 1000; cash. N. A. Corlin, Elberon, N. J.
Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.
Geraniums out of 2 and 2½ inch pots, strong, Double Grant, S. A. Nutt, La Favorite, Renault, Double Salmon, \$2.00 per 100. A. Ricard, Madam Barney and Thos. Meehan, \$2.50 per 100. Wm. Schwan & Son, Fredonia, N. Y.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.
4000 Mrs. Francis King, extra size, 1½ to 2½-in., \$22.00 per 1000 net. E. E. Stewart, Rives Junction, Mich.
Gladioli, new forcing Pink Beauty, great early bloomer, May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladioli Co., Growers, Saginaw W. S., Mich.

GLASS

Boston Plate & Window Glass Co., Boston
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lora & Burnham Co., 1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Hitchings & Co., 1170 Broadway, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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J. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.
GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

In writing to Advertisers kindly mention Horticulture

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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King Construction Co., N. Tonawanda,
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A. T. Stearns Lumber Co., Boston, Mass.
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Chas. H. Dodd, Jersey City, N. J.
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D. Hiffe, Boston, Mass.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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Rice Bros., Minneapolis, Minn.
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WEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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HELIOTROPE

Heliotrope, rooted cuttings, 75c. per 100,
prepaid. Chas. Frost, Kenilworth, N. J.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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James Backhouse & Son, Ltd., York, Eng-
land.

Alpine and Herbaceous Plants
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HOSE

H. A. Dreer, Philadelphia, Pa.

NOTED CASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Pierson U-Bar Co., 1 Madison Sq., N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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HYDRANGEAS

10,000 Hydrangea Otaksa, pot grown, 4
in., \$8.00 per 100; 3 in., \$5.00 per 100, cash.
F. Sokol, College St., Worcester, Mass.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R
C., \$1.00 per 100. Sunnyside Greenhouses,
Barberton, Ohio.

INSECTICIDES.

Nicoticide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kilnhead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
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IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.

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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

English Ivy, large leaves, 3 in. pots, fine
plants, \$5.00 per 100; \$45.00 per 1000. Wm.
Schwan & Son, Fredonia, N. Y.

Ivy, rooted cuttings, English, \$1.00; Ger-
man, 50c. per 100 prepaid. Chas. Frost,
Kenilworth, N. J.

JACK FROST MATS

Wm. Elliott & Sons, New York.
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JAPANESE PLANTS

Yokohama Nursery Co., 31 Barclay St.,
New York.

JERUSALEM CHERRIES

Jerusalem Cherries, pot grown, loaded
with berries. They are beauties and have
plenty of them. 4 in., \$15.00 per 100, cash.
F. Sokol, College St., Worcester, Mass.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Godfrey Aschmann, Philadelphia, Pa.

Kentias, clean, sturdy plants, 18 to 24
in. high, 5 in., \$50.00 per 100, cash. F.
Sokol, Worcester, Mass.

**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass., Dept. 8.

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LEMON VERBENA

Lemon Verbena, rooted cuttings, 75c. per
100, prepaid. Chas. Frost, Kenilworth,
N. J.

LILACS

Elliott Auction Co., New York, N. Y.
For grown for forcing.

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Harry A. Dreer, Philadelphia, Pa.
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**LILIAM MULTIFLORUM AND
GIGANTEUM**

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.

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LILY OF THE VALLEY

J. M. Thorburn Co., New York, N. Y.
Lilly of the Valley Pips.

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MESEMBRYANTHEMUMS

Meembryanthemums, 2 1/2 and 2 1/4 in.,
2 1/2 and 3. These are nice bit plants
ready for 3 and 4 in. pots. Blooms as
large as carnations. Will exchange for
ferns and heliotropes. A. G. Larson, Galva,
Ill.

NICO-TYME

Kentucky Tobacco Product Co.,
Louisville, Ky.

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NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, Inc.

West Newbury, Mass.
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Bay State Nurseries, North Abington,
Mass.

Hardy, Northern Grower Stock.
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Eastern Nurseries, Jamaica Plain, Mass.
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R. & J. Farquhar & Co., Boston, Mass.
New and Rare Shrubs and Vines.
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McHutchison & Co., New York, N. Y.
Direct Importations.

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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

300 Aristolochia Sipho, 3 yr. \$15.00; 1500
White Snowberry, 2 1/2-3 1/2, \$6.00; 600 Ribes
alpina, 20-24 in., \$5.00; 300 Crataegus oxy-
cantha, 2 1/2-3 1/2, \$6.00; 300 Crataegus oxy-
cantha, 2-3, \$5.00. Send for additional
surplus list. Henry Lake Sons Co., Black
River Falls, Wis.

ONION SEED

N. J. Westerman, Buechel, Ky.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordenez Bros., Madison, N. J., Box 106.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.
Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALEMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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John Scott, Brooklyn, N. Y.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
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PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PELARGONIUMS

Pelargoniums. Finest varieties, excellent stock, 2½ in., \$4.50 per 100. The Corry Floral Co., Corry, Pa.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.
Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
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PIPE AND FITTINGS. Cast iron and wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
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PLANTS WANTED

Bloomington Bros., New York, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Henry A. Dreer, Philadelphia, Pa.
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John McKenzie, North Cambridge, Mass.
For page see List of Advertisers.
Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$3.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. * Only strong branches counted in grading. Special low rates on ear lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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Henry A. Dreer, Philadelphia, Pa.
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P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
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ROSES

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.
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Ellwinger & Barry, Rochester, N. Y.
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Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

SNAPDRAGONS

Snapdragons, giant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

Snapdragons—Rose Pink, Light Pink and White, from 2-inch pots, \$2.50 per 100, \$20.00 per 1000. Adolph E. E. Koch, Nobscoot, Mass.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREA

Spiraea Gladstone, for forcing, excellent stock, \$1.25 per doz.; \$9.00 per 100. Currie Bros. Co., 312 Broadway, Milwaukee, Wis.

VINCAS

Vinca variegata, extra strong 2-in., \$2.25 per 100; \$20.00 per 1000. Williams & Clark, Muncie, Ind.

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

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THE FLORISTS' CLUB OF PHILADELPHIA.

We have the following latest announcement from J. Otto Thilow, chairman of the Florists' Club committee on Essays and Publications:

"Z. D. Blackistone of Washington, D. C., will address the club at the May meeting on 'The Advantage of Special Sales to a Retail Florist.' This will be worth hearing, especially for retailers.

CINCINNATI FLORISTS' SOCIETY.

The regular monthly meeting of The Cincinnati Florists' Society was held at Wm. Murphy's salesrooms on Monday evening, January 9th. There were about twenty members in attendance. Flower Show matters were brought up and the committee reported that they were nearing their goal of a \$10,000 guarantee fund, and by the next meeting hope to report the entire amount subscribed. A special meeting will be held Monday, January 23rd.

NEW ENGLAND DAHLIA SOCIETY.

This enterprising organization had a meeting at Horticultural Hall, Boston, on January 11. Officers were elected as follows: President, J. K. Alexander; vice-president, E. Allen Lindsay; treasurer, Loring M. Bates. The meeting was very harmonious and the society starts on the new year with rosy prospects.

CLUB AND SOCIETY NOTES.

The St. Louis Florist Club meets this week Thursday for the first time this year. The organization is now 25 years old and great efforts will be made by the officers to make this the banner year in point of attendance.

The Retail Florists' Association of St. Louis held a meeting last week. All the old officers were re-elected. President, C. C. Sanders; vice-president, Theo. Muller; secretary, F. E. Weber, Jr.; treasurer, R. J. Windeler. The Association will hold its annual banquet on Saturday night, January 14th, at the Marquette Hotel. Chas. Schoenle and F. H. Weber are a committee to arrange for same.

PERSONAL.

M. A. Leganger is now employed with the A. L. Randall Co., Chicago, Ill.

Port Chester, N. Y.—Edwin C. Leonhard, of E. Leonhard & Son, florists, and Miss Louise Leonhard were married last week.

Vernon T. Sherwood is now with S. J. Goddard, Framingham, Mass. He was formerly at the Mt. Desert Nurseries, Bar Harbor, Me.

David S. Adam has taken a position with the Henry F. Michell Co., Philadelphia, Pa. He was formerly for many years with J. M. Thorburn & Co.

On January 9 the eve of his retiring as chief executive of Detroit, almost 400 representative business men tendered Philip Breitmeyer an elaborate banquet.

C. S. Harrison of York, Neb., has just returned from five weeks' banishment to Excelsior Springs, Mo., where he has been taking treatment for his old enemy, rheumatism.

We are glad to learn of the assured convalescence of Timothy McCarthy, superintendent of Swan Point Cemetery, Providence, R. I. Mr. McCarthy has been very sick for the past month and a legion of friends will now feel a happy relief on learning that he is on the road to recovery.

Visitors in Boston.—C. W. Brownell, Walden, N. Y.; King Edward McWilliams and Mr. Getricks, of Newport, R. I.; Paul Berkowitz, of H. Bayersdorfer & Co., Phila., Pa.; Wallace R. Pierson, Cromwell, Conn.; A. Zirkman, representing M. Rice & Co., Phila., Pa.

OBITUARY.

Mrs. Charles Hunt.

Mrs. Charles Hunt died at Graniteville Staten Island, N. Y., on Saturday, Dec. 19.

John L. Turner.

John L. Turner of the seed and implement firm of Griffith & Turner, died at Baltimore, Md., on Dec. 29.

Charles Brice Bowditch.

Charles B. Bowditch died on New Year's day at his home, 1012 Hall street, Grand Rapids, Mich. Mr. Bowditch had been a resident of Grand Rapids for twenty-one years, having come here from England. For thirteen years he was florist at the Michigan Soldiers' Home. He is survived by three brothers and a sister.

J. F. H. Meinhardt.

J. F. Henry Meinhardt of St. Louis, Mo., father of Fred H. Meinhardt and Miss Matilda Meinhardt, died on Wednesday, January 4, after a lingering illness. The funeral took place on Friday, January 6, from the family residence, 6074 Florissant avenue.

Mr. Meinhardt was not so well known among the trade as are his children. The trade was well represented and many floral designs were received. Mr. Meinhardt was 68 years of age and leaves a wife and six children to mourn his loss.

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Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

HELP WANTED

WANTED—Experienced and hustling man to go on the road to sell florists' supplies. Apply to N., care HORTICULTURE, Boston.

WANTED—Man to take charge of wholesale florist supply department, attend to shipping, etc. Address with references, H. S., care HORTICULTURE Office, Boston, Mass.

SITUATIONS WANTED

FOREMAN wants position; at present employed by wholesale grower in Massachusetts. A No. 1 grower of Christmas, Easter and bedding plants, also small ferns and stove plants. Life experience in Europe and U. S.; only responsible position will be considered; correspondence confidential; can start thirty days after engagement. Large salary expected. T. T., care HORTICULTURE.

SUPERINTENDENT or head gardener wants position; open for engagement March 1st, 1911, or later; 20 years' experience in the growing of flowers, fruits and vegetables under glass, as well as out of doors. Married. Only first-class position will be considered. State salary and give full particulars in first letter. Private interview desired. T. D., care HORTICULTURE.

Situation wanted at once by florist, experienced with carnation and general plant and bulb stock. American, married, sober, reliable and competent. Good references. Address: Florist, 21 Laurel St., Lowell, Mass.

FOR SALE

FLOWER SHOP

Best equipped flower shop on the most prominent corner in New York City, is offered for sale at a great sacrifice. A fine opportunity for a live man. Address or apply H. W., 103 E. 29th Street, New York.

GREENHOUSES FOR SALE

TO TAKE DOWN

1 house 20 x 65, lights 16 x 24; 1 house, sash, 50 x 12; 1 Doric hot water No. 4; 1000 ft. 2 in. pipe; 40 or 50 sash 3 x 6. Also 5000 pots, different sizes. Price \$250 cash. Apply to

DAVID A. ROBINSON, 295 Chelsea St., Everett, Mass.
Phone 127 Everett.

I am a farmer and have for sale strictly choice clover seed. Also handle mammoth and alsike clover, timothy and millet seed. Reid's Yellow Dent, Leaming, Boon Co. White, and Silver Mine and the big Silo fodder seed corn. Please ask for samples and prices. I also buy all kinds of seed. L. F. Stoeker, Farmdale or Peoria, Ill., Box 18.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

ning! Some of the epicures around New York can clip their board bills a bit next week.

The fourteenth annual dinner of the Florists' and Gardeners' Club of Rhode Island will be held at their rooms, 96 Westminster street, Providence, on Monday evening, January 16.

DURING RECESS.

New York and New Jersey Association of Plant Growers.

The third annual dinner of the Association will be held on Thursday evening, February 2nd, 1911, at 7 o'clock, at Cafe Martin, New York City. The dinner committee has spared no efforts to make this the banner dinner of the Association. A large private dining-room has been secured together with the proper appointments, and the menu selected will be sufficient to appease the appetite and thirst of all participants. There will be no speech-making. Music and professional talent has been engaged to furnish amusement during the course of the dinner and the remainder of the evening.

This will be strictly a business men's dinner at which all members, their wives, and friends, can enjoy a pleasant evening. There will be no formal evening dress, and all persons attending are requested to appear in their business suits.

Julius Roehrs, Jr., Herman C. Steinhoff and Louis Dupuy are the dinner committee.

New York Bowlers.

Scores recorded on Friday evening, January 6:

Chadwick	221	236	189	190	203
Nugent	101	90	96	113	102
Kakuda	122	124	129	166	107
Scott	154	146	147	159	146
Manda	155	145	181	177	151

The special prize—a bottle of champagne—given by the Alex. D. Shaw Co., was won by A. Kakuda. This prize will be repeated each evening until further notice, and can be won but once by any of the Club's members.

There was a large attendance last Monday afternoon of club members looking on and advising. There were some close contests, and much enthusiasm. Scores were made as follows:

Chicago Bowlers.

At the meeting of the Chicago Bowling Club, Wednesday last, the following scores were made:

C'r'n't's,	815	696	847	Roses,	871	667	718
Violets,	868	861	800	Orch'd's,	725	754	750

Chicago Bowlers.

At the meeting of the Chicago Bowling Club, Wednesday last, the following scores were made:

C'r'n't'ns,	815	696	847	Roses,	871	667	718
Violets,	868	861	800	Orch'ds,	725	754	750

Cincinnati Bowlers.

The Bowling Club met at Finke & Craig alleys, Wednesday, January 4th. The following were the scores:

	1st	2nd		1st	2nd
S'nd'rbr'ch,	151	163	L. W'trst't'r,	156	141
R. Murphy,	146	131	L. Fritz,	133	133
W. Murphy,	140	171	Ben George,	115	137
O. H'f'm's't'r,	122	129	E. W'trst't'r,	166	151
A. Horning,	173	181	C. W'trst't'r,	180	172
C. H'f'm's't'r,	112	106	H. S'nd'r'h'us,	125	92

Dinners Ahead.

Morristown, N. J., on Monday evening, Jan. 16; Tarrytown and Red Bank on Wednesday evening, Jan. 16, and the Greek Ball on this same eve-

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

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Main Office and Factories
CAMBRIDGE, MASS.

MASSACHUSETTS AGRICULTURAL COLLEGE.

The short course in floriculture at the Massachusetts Agricultural College opened January 3rd, with a smaller attendance than had been expected. During the course this year an unusually large number of outside speakers had been engaged so that the course seemed to be an especially attractive one and one which would appeal to a large number of practical men.

The following have registered for the course:

John F. Freehan, Great Barrington, Mass.; Roy A. Hatch, Cliftondale, Mass.; Warren Kinder, Charleroi, Pa.; Errol L. MacDonald, Seekonk, Mass.; Waldron K. Nason, Jamaica Plain, Mass.; Maude M. Perkins, Newburyport, Mass.; Frank B. Place, Dighton, Mass.; William M. Post, Danbury, Conn.; Etta Rotman, Millis, Mass.; Louis V. Schmidt, Jamaica Plain, Mass.; Guilford Smith, Bar Harbor, Me.

The first talk was given last week by Mr. Cobb, sales manager of Lord & Burnham Company, who spoke of the Lord & Burnham type of construction. Mr. Cobb showed a large number of drawings by means of the reflectoscope, of private and commercial ranges which his firm had built. He also spoke of the details of construction, to which they attach especial importance and he gave a very clear idea of the important factors to be considered in greenhouse construction.

On Friday, R. O. King, of King Construction Company, spoke on their construction. Mr. King's talk emphasized the original ideas which have been brought out in the King construction and he showed by lantern slides a large number of commercial ranges which they have constructed. Mr. King spoke especially of their iron-frame truss construction and explained the theory on which their houses are built.

The first part of the week the afternoons were devoted to a study of the Lord & Burnham construction as shown in the College range and on Saturday the observation trip was to the large range of the Montgomery Rose Company in Hadley, which was built last year by the King Construction Company.

Twin Cities.—Holm & Olsen in St. Paul have added a landscape department and nursery to their establishment, under the management of E. W. Reid, formerly with L. L. May & Co.

Amundson, florist in Minneapolis, was put out of his holiday business through fire, which destroyed everything, causing a total loss.

Kusick & Co., commission dealers in flowers and florists supplies, also suffered some damage in their establishment through fire occurring about two weeks later.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

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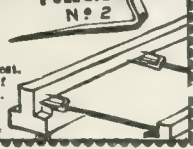
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FULL SIZE
No. 2



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Jackson, Mich.—H. M. Burt, range of houses.

Oakland, Calif.—M. M. Lillenthal, one house.

Schenectady, N. Y.—Clark Witbeck, one house.

Independence, Mo.—S. B. Ayers, two houses.

St. Louis, Mo.—The Alexander Floral Co., house 25 x 150 feet. King Construction Co. material.

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980,242. Land Pulverizer. Oscar A. Garwood, Laporte, Ind.

980,255. Greenhouse Construction. Oscar W. Herms & George A. Herms, Portsmouth, O.

980,565. Receptacle for Flowers. Charlotte Redden Sonborn, Somerville, Mass.

Albion, N. Y.—A nursery department will be added to the business of Julien Duquette, florist and seedsman, 66-68 Clinton street.

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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.95
1500 2 1/2 " " " 5.25	120 7 " " " 4.80
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
456 4 1/2 " " " 5.24	24 12 " " " 3.60
320 5 " " " 4.51	12 14 " " " 4.80
200 5 1/2 " " " 3.78	6 16 " " " 4.50

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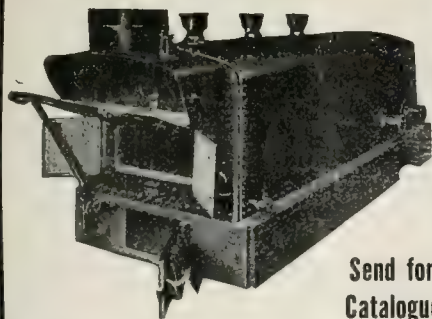
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Formerly I had two cast iron boilers: one cracked and I took both of these boilers out.

My coal bill with the cast iron boilers ran from \$195 to \$207 per season during the past seven years. This year, with your boiler and soft coal, my coal bill was only \$103 and I still have some coal left.

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Heating and Ventilating.
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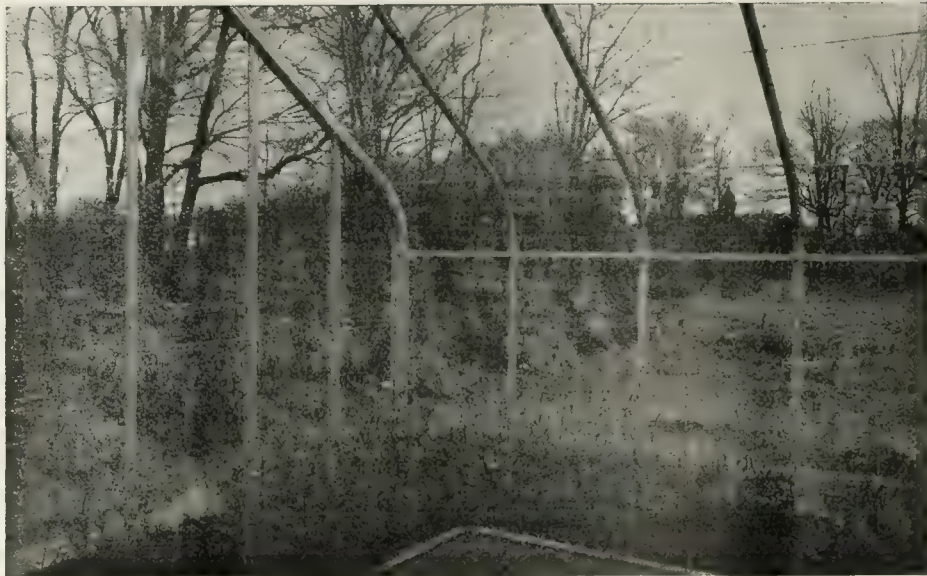
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HORTICULTURE

Vol. XIII.

JANUARY 21, 1911

No. 3



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DOUBLE PETUNIAS, mixed colors, propagated from select stock, fine stock, 2-in. pots \$2.00 per 100, \$18.50 per 1000; fine stock 3-in. pots \$3.00 per 100, \$25.00 per 1000.

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DO not get this variety confused with the Lawson-Enchantress which we discarded some years ago. Washington-Enchantress differs from Rose Pink Enchantress as night from day. Washington is a sport from Enchantress with the best crisp or beautiful dark pink color—the Lawson shade—with stem, habit and productiveness same as Enchantress, and keeping qualities of the best. Stock is clean, healthy and well rooted. Guaranteed satisfactory in every respect.

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Beacon, Crimson Beauty	\$3.50	
Enchantress, Kingston Pet, White Enchantress, Winsor	3.00	\$25.00
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It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer, brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, \$12.00; price per 1000, \$100.00; price per 5000, \$400.00; 25 at 100, 250 at 1000 rates. Place your order now, to be in on early deliveries.

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Pink, white, variegated and red.
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5 inch 50c; 6 inch 75c; 7 inch \$1.00 each.
Extra fine plants.

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5 inch \$3.00 per dozen. Larger plants \$9.00 and \$2.00 per dozen.

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FROM \$3.00 TO \$5.00 PER PAIR.

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3½ in. pots

5 " "

.....\$30.00 per 100

.....50.00 "

CYCLAMENS

3½ in. pots

5 " "

.....\$20.00 per 100

.....50.00 "

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Heavily Rooted Carnation Cuttings

NOW READY and on up to MAY 1.
Enchantress, Rose Pink Enchantress, Beacon, Winsor, \$2.50 per 100. White Enchantress, Georgia, \$3.00 per 100. Dorothy Gordon, \$5.00 per 100. Mrs. C. W. Ward, \$6.00 per 100. Alma Ward, \$7.00 per 100.

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Plants for the Rockery

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EVERGREENS

Coniferous and Broad leaved

Descriptive catalogue on application

T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

TO BUYERS

Patronize our advertisers. they will treat you right

Fruit and Vegetables under Glass

PESTS OF VINES

The following named pests will be found the chief of those affecting a vine while growing under glass, but by being continually on the alert, and checking them before they have got ahead to any great extent, they can be kept down. Red spider, thrips, mealy bug, vine weevil and mildew.

Where pests have been at all troublesome last year the vines should receive several washings before being started into growth as advised in a previous issue. This will ensure a clean start which is half the battle. Preventive methods should be adopted all along, as vines will not stand for much fumigating. Red spider as usually is the case with all plants, is caused by a lack of moisture in the house or cold draughts. When found syringe with as great a force of water as possible without damaging the foliage. If fruit is coloring hand sponging must be resorted to and as soon as crop is cut give several syringings with some approved insecticide on alternate evenings.

Thrips are found under similar conditions to spider, as a rule the latter appearing first. In a like manner water is inimical to them. If sponging has to be done, add a weak solution of soap and sulphur to the water.

Mealy bug, once established, is hard to eradicate. Severe war should be waged against them during the resting period of the vine. Remove all loose bark and get well into any crevices or holes that may be on rod or spur when washing. This should be done at intervals during the whole of this resting time. Examine the rods when breaking, on all sunny days, and kill any stray ones which may have escaped the winter raids.

The vine weevil is a little fellow who feeds on the tender roots in its larva state and when come to maturity devours the tender foliage, and after doing its damaging work through the night, retreating to the soil again for the day. The amount of damage which can be done in a short time by a quantity of these will be readily recognized, especially as it is almost impossible to destroy them in the soil without injury to the roots of the vine. As soon as their presence is known lay an old sheet under the vine. At night shine a bright light on them while eating and shake the whole trellis. This will cause the majority to fall on the sheet when they can be taken up and destroyed. Pieces of cloth tied lightly on the rod will also answer the purpose, the weevils secreting themselves underneath it as daylight approaches. They will be found to be of a dark color, hard round body, wingless, having six legs.

Mildew is often the cause of bad ventilation. Use sulphur on the hot pipes, as you would for roses, or blow a little in the air on to affected spots. As soon as berries are set seems to be the worst period; after this the foliage and skin of the berries get harder.

Vines started 1st of December which are breaking should have the temperature raised to 48 to 50 degrees at night with advance by day.

PROPAGATION OF THE VINE

The vine is one of the most simple plants to propagate, roots being produced on every part of the stem when placed under suitable conditions. Nature itself shows us this. Let the roots of an established vine become in anyway deranged and the usual humid atmosphere kept up, the whole stem or part of it will become a mass of hanging roots. These are known as aerial or adventitious roots and would, if allowed, fix themselves in the soil and help supply the plant with food. This and layering are Nature's own way of propagation. You will notice by this the roots are emitted from hard wood and so it is that you seldom see a vine propagated from a cutting made from young and tender growth, or from the leaf, as is possible with such plants as the saintpaulia, gloxinia and the several begonias, etc. Cuttings made from tender growths could be inserted but the percentage of rooted plants from these would be very small.

The usual methods of propagating the vine, using the ripened wood, are by cuttings, layers and eyes and also by budding, grafting and inarching. Layers are about the most natural methods, as the vine in its wild state is naturally a trailing plant, supported by stronger trees and wherever a shoot reaches the ground it takes root. If this method is adopted, a shoot can be trained near the soil or a pot suspended below it, filled with soil and kept moist. The shoot should have the bark slightly cut away on the underneath side for about an inch and then be pegged down firm into the soil. As this takes root it can be gradually severed from the parent. By cuttings is the method usually adopted for outside vines when raised in quantity. A shoot is taken about a foot long, having a heel to it, and placed in a bed allowing only the top two or three eyes to break. "Eyes" is the method universally used for propagating vines under glass. Select only the best ripened wood, with good solid eyes. Cut the eyes away, cleaving only $\frac{3}{4}$ inch on each side. The cut is best made sideways giving more rooting surface. It is not necessary to cut these any more, as the end below the eye will callous and root, but if a little of the wood is removed beneath the eye there is a double chance, as this will callous and root as well as the end. Eyes should be pegged firmly down into 4-inch pots, having a compost of three parts loam, one sand and one leaf soil. Plunge in propagating case and give a bottom heat of 70 degrees and top heat of 65. Keep moist but not sodden. Eyes should root in two to three weeks. After top growth commences admit a little air. This work of propagating can be done at once or through February; by starting now a good long season is sure.

(Budding, grafting and inarching to be dealt with later.)

TEMPERATURES, VENTS AND AIRING

Fruit houses, unlike many plant houses, require a moving temperature. By this I mean you cannot fix one temperature for the whole growing season. As the seasons would come on gradually, so must the temperatures inside. Certain scales are used by some, but there is no hard and fast rule; the conditions and state of the growth must govern. Instances are peaches and nectarines in flower, 45 to 50 degrees (night); Hamburgh vines, 65 degrees; Muscat vines in flower 70 degrees; peaches stoning, 55 to 58 degrees; but these

should not be rigidly kept up if the weather is very severe; a drop of a few degrees is better than over-doing fire heat. A few degrees either way must be given at the grower's discretion.

Airing a vinery is a very important factor, numerous ills arising out of carelessly admitting too much air, or not enough. At this time of the year little air will be needed, but as the sun increases in power more will be necessary. Avoid all draughts which will cause mildew or spider later. The result of insufficient air will be burning of the tender growths and later on rust, spot and scalding of the berries.

PEACH TREES

started in December will now be in flower. Keep a night temperature of 45 to 50 degrees. Give all air possible through the day, using a crack on the bottom towards noon. Run house up to 65 to 70 degrees with sun heat and keep a dryer atmosphere. Trees should receive a sharp shake at midday to distribute the pollen or the flowers touched gently with a fine brush, or a soft piece of fur. A rabbit's tail mounted on a stick often serves the purpose well.

GLOBE ARTICHOKE

There is always a doubt of this serviceable vegetable surviving the winter, although every care may have been taken to protect them. A sowing should be made now to replenish any that may have died and also to furnish new beds. Sow in pans or flats in well drained soil and pot on when ready. Give all possible light by placing on shelf or bench near the glass. These can be grown with onions and hardened off with them.

LETTUCE

A few flats of lettuce can be sown to furnish a first cut where a supply has not been kept up the winter through. Varieties are so numerous mention of them is almost needless, some varieties claiming preference to others in certain districts. All Year Round, Balmoral and May King should be given a trial.

ENDIVE

requires similar growing conditions to lettuce until time for blanching. The cool end of the house should be given to it. If sown now it will be necessary to blanch it by inverting a pot over each or making a section of the bench dark.

George H. Benson

Mr. Benson's next notes will be on the following topics: Fruit Trees in Pots; Reference Boards; Beans for Pot Work.

Seasonable Notes on Culture of Florists' Stock

CARNATION CUTTINGS

Cuttings should be taken early in the morning while they are fresh and crisp. Do not take those that are too young and soft. Dip them in cool water and trim up in a cool place. Insert as soon as possible in the propagating bench. Spray lightly early every bright morning so as to keep the foliage moist during the day, but try to have the foliage dry by night. The cuttings that were put in during December will likely be ready to pot by this time. After a cutting is well rooted you should lose no time in potting up for they don't improve by remaining in the sand any longer. Before potting harden them up a little by gradually giving more sunlight each day, until the roots have pushed far enough to enable them to stand full sun. Cuttings thus treated will take hold much quicker as there will be less wilting after potting. Use new soil that has been exposed to the action of weather. Screen through a half-inch mesh and it is important to have it moist enough. Pot firmly and water thoroughly as soon after as practical. Shade for a few days and then give full sunlight.

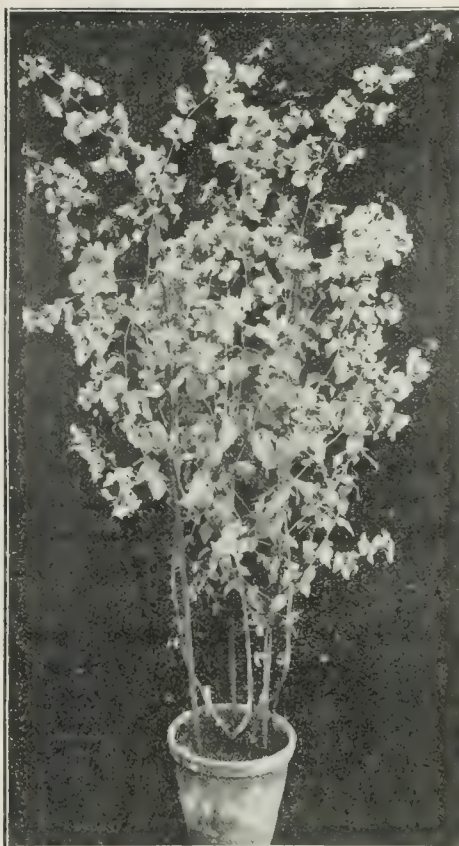
DRACAENA INDIVISA

This is one of the most useful plants for the retail florist. For all outdoor embellishments such as the filling of vases, window boxes and tubs, it is almost indispensable. It takes a full two years or over to make a good specimen. Seed should be sown now in sandy soil and kept moist, in a temperature from 60 to 65 degrees at night. When the young seedlings are large enough pot them into 2½-inch pots and shift during the summer as their growth may require until the spring following, when they should be planted outside in the open ground until fall. Those that are in 5 to 7-inch pots should now be given from 50 to 55 degrees at night. Give them a dose of liquid manure about once a week and they will make fine plants for spring sales.

GRAFTING ROSES

Having formed an idea of what stock is needed it behooves the grower to either graft or propagate now right along. Before you start grafting see that your grafting frames are made as nearly air tight as possible and so arranged that a temperature of about 80 degrees can easily be maintained. Apply a good coat of whitewash to the woodwork, see that free drainage is arranged, and then finish off with about 2 or 3 inches of screened ashes or sand. Before the pots are put in give the bed so prepared a good soaking, to furnish

FIREFLY CLARKIA.



The Journal of Horticulture for June 9th, 1910, says of the elegant novelty herewith pictured, that "It may be taken for granted that there will be many more pot-grown Clarkias next year, since Messrs. Sutton so successfully exhibited those beautiful, graceful pyramids of theirs at the Temple Show. The variety Firefly, a lovely rosy-scarlet, standing 4 ft. high, would make an ideal conservatory ornament, and some of us will try our skill to reproduce something like it. Carnation-flaked and Double Salmon are also fine varieties.

enough of moisture for the plants for the first four days, when a little air can be given which will require constant watchfulness in nursing them along, and finally at the expiration of about four weeks in having presentable plants. Air should be administered very carefully at first only for a few minutes night and morning, and from day to day gradually increase the supply. To preserve the foliage, a fair supply of moisture will be needed to sustain the vitality of the scion. In about five weeks the plants should be well hardened and can be moved to some bench near the light where they will need some shading for a week or so coupled with extra care in watering, syringing and ventilation.

PANAX VICTORIAE

This panax is nearly as decorative as some of the best aralias and at any stage of its growth there is not the slightest difficulty experienced in its culture. In the way of filling it can be used the same as pandanus and dracaena, making it very useful for the florist's use. Cuttings can be put in now; they will root in about two or three weeks. Use fibry loam with an addition of leaf mold and sand and grow on and shift when necessary. If grown on without interruption they will make nice specimens in 6-inch pots by fall. Give a temperature of 65 degrees at night.

SMILAX

Seed should be sown now to supply the indoor plantation in June. For rapid germination a steady heat and moisture are needed. From 60 to 65 degrees will be right. For the starting of the seed any good grade of sandy soil that is fairly open will do. Keep the flats or pans covered with a piece of glass until the seeds have pushed forth their growth. Give all the light possible and keep up atmospheric heat and moisture. They should be transplanted when they have made their third pair of leaves, into 2-inch pots, using a friable sandy and moderately enriched soil, and then grown on, avoiding any check in their growth. Towards spring they will need another shift into 3-inch pots. The old beds that are starting up a new crop should have a mulch of partly decayed cow manure, but remember that light and frequent applications are to be preferred to one heavy mulch.

TUBEROUS BEGONIAS

Seed should be sown now for those who intend to grow them from seed for the coming season. Sow in pans, using some rough soil on the bottom, and then filling up with a compost of finely sifted loam two parts, leaf mold one part, and sharp sand one part. The mixture should be then thoroughly moistened, and the soil pressed firmly and even. Stand them in a house where the temperature ranges from 65 to 70 degrees, and shade from the direct sunlight. In about a month or six weeks the seedlings will be ready to prick out into flats, using the same compost as that in which the seeds were sown. In March they should be ready for 2-inch pots, using a mixture composed of soil one-third, old manure one-third, and one-third of leaf mold and sand in equal quantities. At this stage they will be better in a temperature of from 58 to 60 degrees with a raise of 75 degrees with sunshine. With the strong spring sunshine they should be shaded for two or three hours during hottest part of the day. Seedlings require a warm temperature for the first three

months, and little trouble will be experienced afterwards.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Asparagus; Cattleyas and Laelias; Primulas; Seeds to Sow; Sowing Palm Seed; Sweet Peas.

British Horticulture

RETROSPECTIVE

In looking back over the records of 1910 it cannot be said that the year was altogether satisfactory to the horticultural trade. The death of King Edward, with the resultant temporary cessation of social events, made a considerable difference to the florists. The turmoil and trouble of two general elections in one year did not improve matters. Then again the very unsatisfactory weather during the summer caused widespread damage to out-door crops. The various societies have continued their activities; the Royal Horticultural Society has placed to its credit a list of notable events, the chief, of course, being the Temple and the Holland House shows. The latter exhibition was noteworthy from the fact that it was the last one which will be held in the historic grounds of Holland House. Good progress has been made with the arrangements for holding the International Horticultural exhibition, at Chelsea, in 1912. The National Rose, Sweet Pea, Dahlia, Carnation, and other societies have held excellent shows during the year, whilst a new comer has been added to the list in the shape of the National Vegetable Society, which held its first show, in the autumn, under very encouraging conditions. Another new organization with a promising future is the National Hardy Plant Society. There are unmistakable indications of the increasing interest taken in horticulture amongst all classes, and this is an omen fraught with the brightest prospects for all concerned in its prosperity.

W. H. Adsett,

Aster Southcote Beauty

(See Cover Page.)

This new race much resembles the single "Ostrich Plume" aster, which has become so exceedingly popular, especially in England, during the last few years. It has all the beauty of habit and flower which the latter possesses. The flowers have long, perfectly formed petals and very small golden-yellow centres, as is shown in the illustration, and are carried on long stiff stems from 12 to 20 inches in length. The colors include beautiful shades of blue and pink, as well as pure white. Southcote Beauty is of great value as a border plant, attaining a height of 2 to 2½ feet, and is probably unrivalled by any other aster for cutting and house decoration. Messrs. Sutton & Sons, the introducers, tell us that in future years it is hoped to save distinct colors, but at present only mixed seed containing the tints mentioned above is procurable.

HORTICULTURE

VOL. XIII JANUARY 21, 1911 NO. 3

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
Discounts on Contracts for consecutive insertions, as follows:
One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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A gigantic undertaking

Members of the National Flower Show committee and others active in the work of the various societies interested in this approaching event have been in session

for several days in Boston working industriously on the multitudinous details of schedules, rules and management. Much interest attaches to the fact that this is the first attempt in this country, so far as we are informed, to combine in one enterprise the rather conflicting interests of a popular horticultural exhibition with

competitive features and a trade show where wholesale buying and selling may be carried on. The committee has encountered many snags and perplexing questions in its efforts to harmonize and conserve all interests concerned in the two schemes and in so adjusting rules as to overcome all ambiguity and ensure a fair deal to all. The affair grows in magnitude every day and the space reservations in both sections are now so large that there is no question that the acres of floor space in the big Mechanics Building will be completely filled with exhibits. The only matter on which any anxiety can now be felt is the financial outcome and prospects on that line are also looming up.

Progressiveness All broad-minded florists and their friends who wish well to the profession will feel in hearty sympathy

with the sentiments expressed in Mr. Skidelsky's Philadelphia talk on progressiveness which appears in this issue. Mr. Skidelsky's views are in evident accord with those repeatedly expressed in these columns and the subject is one which cannot be agitated too often or too urgently, for, on the carrying out of the principles advocated depends very largely the direction of development of floriculture in the immediate future and the position the art and its practitioners are destined to occupy. With the many avenues now available for acquiring a knowledge of the principles of horticulture, such as the trade journals, the societies general and special and the practical courses in the various agricultural colleges, there is no reason for any man now to jump into the florist business with no other equipment than a little money and an idea that "the business looks good" and the man who does so is hardly entitled to sympathy. That the "hit or miss" course no longer holds out any prospect of success, in competition with well-trained men and the application of advanced business methods, is a condition which we should view with much satisfaction for it is development along a line which leads directly to a higher and better position for the vocation itself and for those who follow it.

Unequal distribution of flowers It is often interesting to compare the flower market reports from various points at identical dates and anyone who will follow up these reports as they appear in the trade papers from week to week will find much food for inquisitive thought. Last week for instance, our Chicago report was to the effect that while there was no particular overstock of anything there was an abundance for all demands; Buffalo full supply and moderate demand, surplus on some things; Cincinnati an abundance; New York somewhat overstocked; Philadelphia quite overstocked. Then see what Detroit said: "Short supply causing a good deal of loss in business. Retailers have no opportunity to make any great display and prices rule too high to be popular." Detroit is but a few hours' run from the plethoric markets above quoted. Why did she not make her needs known and why did not the dealers in other markets scent this opportunity for trade? Much more glaring instances of lack of balance in flower distribution are frequently in evidence and, no doubt, will continue to recur, until the producers and handlers of cut flower stock in different centres wake up and evolve some practical method of co-operation so that famine in one place and stagnation of supplies at another will no longer be possible. Then, perhaps the unstable and constantly fluctuating values which have caused so much trouble in the flower trade will be reduced to a minimum and thus all interests will be benefited.

ARE WE PROGRESSIVE?

(A paper read before the Florists' Club of Philadelphia by S. S. Skidelsky.)

If I could prove to the satisfaction of the craft that at the bottom of most of our failures lies the inexorable cause of ignorance, inefficiency and a disregard for the little details which go a good way towards the make-up of the sum and substance of a successful business undertaking,—I should indeed be proud of my achievement. I shall not venture, however, to treat the subject in an exhaustive manner for fear that I might fail in the attempt.

With your permission I will read a letter which appeared a few months ago in one of our trade papers. It read, "Can you tell me what is the matter with my violets? I am enclosing a few leaves, and if you can give me any information regarding them, it will be appreciated. I have a greenhouse 22 x 70, chiefly in violets, and there is something wrong with them. We also have our sweet peas in the same house, and I am enclosing some of them. They are not doing as well as they might. Will you tell me what to do with them? I am located in Eastern Missouri." And this from a citizen of Missouri, who, according to the popular belief, should have been "shown" before he undertook the growing of violets and sweet peas—not after. I need hardly add that the Missourian in question represents a type not at all uncommon amongst us.

This Missourian might as well have undertaken the construction of an aeroplane or the preparation of a brief in an important case before the Supreme Court. The results, to be sure, would have proven equally unsatisfactory. Can we imagine, for a moment, a competent machinist, a cabinet-maker, or an attorney or a physician doing their work on the mere assumption that if one does "not succeed, he must try and try again?"

"The florist business looked mighty good to me," remarked an ex-coal dealer in a western town, one day, to me. "I sold out my business," he continued, "and built a range of six houses. Not knowing a thing about growing, I engaged a man, who claimed he knew it all, with the result that I lost heavily the first season. The season following, I hired another fellow, a carnation grower, and planted four of my houses to carnations, and two with miscellaneous bedding stock. As bad luck should have it, we had a dry season, the plants made poor growth in the field, and when benched they began to wilt and to stem-rot. Neither of us knew what to do about it. Another failure stared me in the face, but I was determined to make the best of it, and so put in a batch of lettuce to help pay for the coal at least, let alone money-making. Well, sir," concluded the would-be florist, "if you know of anybody looking for greenhouses, please send him around. I'll sell out cheap."

Now, here is a case of a man, who, because the florists' business looked good to him, did not at all hesitate to dispose of his coal business, and to embark in something he did not know anything about. Can we imagine a carpet-weaver or a doctor undertaking their respective work without any training, but simply because the carpet business or the M. D. profession looked good to them? Hardly. But horticulture, evidently, puts no obsta-

cles in the way of the novice. On the contrary, it seems to allure coal dealers, carpenters, machinists, clerks and, if I may change Milton's verse, it invites all, "All hope cherish, ye who enter here." Men and women, too, who know no more about flower or plant culture, than they do about bridge building, often embark unhesitatingly in the florists' business, trusting to mere pluck or luck, with the result, as might be expected, of failure in the end.

The thought has often occurred to me that but few professions or trades, if any, are being conducted on the "hit or miss" principle to the extent in which the florist business is being conducted. To be sure, we have very competent and able growers everywhere. We can point to men who have achieved success because of their ability and foresight. There are rose growers, carnation growers, plantmen, specialists in every branch, many of whom are well-known to all of us. But such men, we must admit, constitute but a handful as compared with the number of incompetents. I will hazard the assertion that to every successful carnation or rose grower, to every man who knows not only how to do things, but why and when to do them as well, there are dozens at least, who grope in the dark, who know nothing about soils, about the use and abuse of fertilizers, about the requirements of plants, about the proper handling of bulbs and seeds; who, in brief, are utterly unfit for the work they are doing. My own observations, during nearly a quarter of a century of road life, among all classes and conditions of florists, have led me to but one conclusion, and that is, that our business, notwithstanding the tremendous progress it has made, lacks in those fundamental elements, which are so necessary in order to insure its permanent healthy growth. The florist who makes a failure of his roses, for example, and cannot diagnose the cause of the failure in order to apply the remedy, or to nip the very failure in the bud, proves conclusively that he had not studied his trade or profession. In other words, he has not the theoretical knowledge or scientific basis upon which to work out his practical results.

On the other hand, the man who makes a success of his plants and is equally at sea to explain the whys and wherefores, is no more to be commended than he, who, through mere chance or accident, hits upon a streak of good luck. The "hit or miss" principle accounts equally for the results in both cases. It was a "miss" with one, and a "hit" with the other, while the law of cause and effect underlying both, is a mystery or a closed book to either.

The question naturally arises, Why do people venture into a trade or profession, the essential knowledge of which they do not possess? Why give up a paying coal business and build greenhouses, without first mastering the art of growing? Why so many failures everywhere, while those really successful, because of a thorough training, intelligent observation, deduction and application, are comparatively few? Is it because the florist business "looks so mighty good?" Granted. Then that much more reason why we should bend all our energies

and put forth our best efforts towards equipping ourselves in every way in order to build our success upon a more solid foundation.

The farmer who tilled the soil for generations past, and who thought he knew all about it, as his fathers did before him, is just beginning to realize that he has yet much to learn, that his primitive methods of farming will not do, if he is to keep pace with the progress of the times. In this connection it may not be amiss to quote a few lines from an article of Gantt, in the Engineering Journal, having a direct bearing upon the subject under consideration. "In the United States our superb national resources have enabled us to make phenomenal progress without regard to the teachings of science, and in many cases in spite of our neglect of them. But we have reached a point where we must recognize that the proper application of science to industry is of vital importance to the future prosperity of the country."

The progressive farmer has evidently arrived at the same conclusion, if we are to judge by the number of farmer boys filling the halls of the state agricultural colleges, the farmers' institutes, the agricultural departments of the high schools, the University extension courses, etc. The experimental stations established in various states, in most cases as a result of the pressure brought to bear by the farming element upon the state legislatures, is but an additional proof that the farmer is not only awakening, but that he is wide-awake to his interests. He is not content to let "well enough" alone, but wants to accomplish the best results possible. He wants to know something about the chemistry of the soil, about the ways and means of improving it, about diversified crops; in brief, he realizes that in order to increase and to improve his product, he must combine brain and brawn, and work out his problems upon scientific principles.

In his annual report, Secretary of Agriculture Wilson tells us that "since October, 1908, the number of institutions in the United States giving instruction in agriculture has increased from 545 to 875. Departments of agricultural instruction have been established in thirty-eight public high schools. Two hundred and fourteen institutions now give teachers' training courses in agriculture. Farmers' institutes are now organized in every state. The attendance at the institute meetings was 2,395,908. Ninety-nine movable schools of agriculture were held with an attendance of 65,977." These are interesting facts.

Now, what the farmer has accomplished or is striving to accomplish, should not be beyond the reach of the horticulturist as well. If the farmer deems it wise, and to his interests to send his son to an agricultural college, and to take advantage of a university extension course, often brought to his very doors, as has been the case in some western states, why should the horticulturist neglect his opportunity to broaden out and to equip the rising generation with a more thorough knowledge of the details of the profession in which they are engaged? Our business has grown to gigantic proportions, and the capital invested is beyond the dream of the florist of

only a generation ago. Just think of it—twenty years ago, Boston supplied Chicago with cut flowers. Need I tell you that Chicago no longer depends upon the Hub for her supply of cut flowers? Our progress in a commercial way has indeed been phenomenal, and while we have ample reason to congratulate ourselves upon the success achieved, we must at the same time not overlook the fact that our business growth, unless we increase our means and efficiency, cannot possibly continue along successful lines.

Take the labor problem for example. Scan through any of our trade papers, and you will readily see that on an average there are three good positions open to every competent man. I think I am safe in making the assertion that the man who can manage a greenhouse and can produce the stock possesses an asset far greater than that of the boss who invests his money in the greenhouses, and worries about the weekly pay-roll besides. I will go farther and say that no profession (granted that we are ornamental horticulturists, and not mere tradesmen) is as much in need of professionals as the florist profession is. Good and competent men, men who know HOW to do things, are wanted everywhere. Such men are scarce.

But to come to the point. Since we have reached the stage in our commercial development beyond which we cannot go unless we increase our means and improve our efficiency, is it not high time that we make the effort to have well-equipped horticultural schools where young men, our future ornamental horticulturists, may take a course of training, and, like the wide-awake farmer, learn to know the details of their business more thoroughly than their predecessors? It seems to me that horticulture in general is of sufficient importance to assert its rights, like manual training or any profession taught in our special schools, colleges and universities.

A horticultural school, under the leadership of a competent head, and a staff of well-trained instructors, would not only teach the young man something about the elements of soil, phosphates, hydrogen, the proper use and application of fertilizers, the nature of pests, fungus, and the right way of fighting and overcoming these evils, but it would also teach him system and method, two most potent factors in the success of any business.

We all know only too well the difference between intelligent, systematic work, and that of the sloven who, like the proverbial bee, keeps continually at it but, unlike the industrious insect, accomplishes but poor results. System and method are indisputably the means that were in a great measure responsible for the success of many of our prominent growers of today. Peter Henderson represented a striking example of what system could accomplish in a business way, and no less an authority than the great English peer, Gladstone, himself, tells us that "the man with a method and system accomplishes more in a week than the sloven will in a month."

Our business demands that we devise means and ways of conducting it in a business way. We can no longer remain passive to our own interests, nor dare we ignore the methods which the progressive and wide-awake farm-

er sees fit to employ in order to adapt himself to the exacting business conditions that confront him to-day. The cry is already heard that the "big fellows" are swallowing up the little ones. Translated into other words, it simply means that the progressive horticulturist is forging ahead, while the one who cannot see beyond the limit of his own shadow, is dropping by the roadside. It is merely a question of the survival of the fittest.

In a recent announcement in the "Outlook," the editors promise for the near future a timely article on "The new science of business." "There is a new thing in the world of industry," they tell us. "It is the efficient application of exact scientific principles to present business methods. It has been applied in machine shops and foundries, in cotton mills and paper mills, in bleacheries and dye works, in printing and lithographing establishments, and in other businesses. The science of management can be applied to every department of every business."

There certainly cannot be any question about it, nor can any one doubt the urgent need of horticultural schools everywhere, if the scientific principles are to be applied in our greenhouses, as well as in the machine shops.

MASSACHUSETTS HORTICULTURAL SOCIETY.

Lecture by J. Otto Thilow.

The lecture season for 1911 at Horticultural Hall, Boston, had a most brilliant opening on Saturday, January 14. It was the initial meeting under the new 2 o'clock plan. For nearly forty years the custom has prevailed of holding these meetings for lectures and discussions at 11 a. m., and the wisdom of the new rule was at once demonstrated, for the audience was in quality one of the finest ever assembled in Horticultural Hall and in numbers and enthusiasm it outranked any similar occasion on record. Of course, all of the enthusiasm and a goodly part of the attendance were due to the ability of the lecturer and the popularity of the subject of his address, "Gardening for and by the Amateur." Mr. Thilow gave most hearty testimony repeatedly throughout his paper to the great influence of women in the development of horticulture in recent years. On this subject he said:

Our strongest and most influential exponents of gardening and the care of flowers are women who have been enthusiastic, and have applied their skill with such profitable and gratifying response that they have given their experience through the pen and have enthused many anxious and willing students in the same direction, and while it might appear to some to be only a spot in a certain lad, the commercial horticulturist can testify that it has been an uplift to his business and is constantly increasing."

Referring to the recent trend toward gardening with color schemes the lecturer said:

"This can be accomplished only when space will permit, as quantity is necessary to secure the color, and space to have the variation and effect, and unless one is fairly familiar with the blooming period, the effect is spoiled by a portion of the plantings either not in bloom or beyond that point, destroying the harmony of bloom at a period when most needed. The best way of overcoming these troubles is to have a space in a well-tiltivated garden large enough to hold a few specimens of each of the varieties in different colors, and the different classes—noting the blooming period of the varieties, and the variation of same.

With all this close attention and study, the period of perfection is short and the spots taken up by one variety and color shows to greater disadvantage than were the spaces filled with plants of different species of the same color.

Those experienced in the use of seeds of annuals can do much better, and get a much longer blooming period when these annuals are used in connection with perennials. For example, in yellow. To begin with the opening of the season: *Doronicum* and *Pansies* would be the first; *Wallflower* and *Escholtzia* the second; *Trollius*, *Aquilegia*, *Coreopsis* and *Calendula* the third; *Heemerocallis*, *Gladiolus*, *Helenium* and *Hollyhock* would be the fourth; *Marigold*, *Hardy Sunflower*, *Zinnias* and *Gaillardia*, the fifth.

You will at once perceive that this can only be done where space is large enough to contain from three to five distinct classes, and planted in such a way that with one variety blooming, to produce the whole effect in yellow—and this effect to continue from the beginning of the *Doronicum* to the *Hardy Sunflower* and *Zinnias*—which really runs into the frost season, making the period from frost to frost. The same effect can be had with other varieties in pink, white, red and blue. It must also be observed that the color block will not maintain the same height throughout the season, viz.: If the first period is to be yellow with *Pansies*, it will be dwarf, and if with *Doronicum* it will be from eighteen to twenty-four inches high. The same would be true of other colors, but a choice can be made from a complete list of plants or seeds, divided up in color and height."

Mr. Thilow gave a number of valuable lists of combinations for contrasting and harmonious effect in plantations of annuals in association with perennial border plants, arranged according to succession of bloom. Copies of these lists may be procured on application to the secretary, W. P. Rich, Horticultural Hall, Boston. In the course of his talk Mr. Thilow remarked:

"Suffice it to say that none but a thoroughly experienced horticulturist can keep pace with and give the required information that is demanded by the average amateurs, men and women."

Before he had got through with his audience he had abundant reason to thank his stars that he was "a thoroughly experienced horticulturist," for the questions were fired at him in veritable volleys for over an hour and a half after he had finished the lecture proper. Whether on fertilizers, insects, fungus diseases, botany, culture or any other related question of farm, orchard, garden or greenhouse practice, Mr. Thilow proved to be invulnerable, and it was remarked on all sides that he was the best informed and best prepared lecturer who had ever faced a Boston horticultural audience and the rare honor of a rising vote of thanks from an audience of four or five hundred people was enthusiastically accorded him.

At the meeting of January 7, 1911, gratuities were awarded for exhibits as follows:

Mrs. J. L. Gardner for *Cattleya Trianae*, *Eranthemum pulchellum*, and cactus-flowered *cineraria*, \$3.00; Weld Garden, gard. D. Finlayson, superior culture of *calanthes*, a silver medal; for *Cymbidium* X *Holfordianum* C. chunium X C. grandibrum, a first class certificate; E. B. Dane, gard. D. McKenzie, for *Cypripedium* X *Merlin* Magnificum, a silver medal; for C. insigne Sanderne X Leeanum, and C. insigne nobile nigrum, first class certificate. The *calanthes* in Mr. Finlayson's group included *McWilliamii*, *Sandhurstiana*, *Veitchii* and *V. compacta*. More of these beautiful orchids should be grown for commercial use.

The annual dinner of the Nassau County Horticultural Society will be held at the Schleicher's Hall, Glen Cove, Jan. 25th, inst.

CLUBS AND SOCIETIES

NEW ENGLAND DAHLIA SOCIETY.

The annual meeting of the New England Dahlia Society was held in Library Hall of the Massachusetts Horticultural Society on Jan. 11th, 1911. The meeting was called to order by President Henry W. Kendall. The election of officers for the year resulted as follows: President, J. K. Alexander, East Bridgewater, Mass.,



J. K. ALEXANDER

President-elect New England Dahlia Society

vice-president, N. Allen Lindsey, Marblehead, Mass.; secretary, Prof. G. W. Bullard, Medford, Mass.; treasurer, Loring M. Bates, N. Bridgewater; executive committee, H. L. Winters, of Medford, Mass.; W. C. Brady, of Wollaston, Mass.; A. L. Brown, Marblehead, Mass.; Edward F. Dwyer, Lynn, Mass., and Geo. F. Stillman, Westbury, R. I. The meeting was one of the largest in the history of the Society and many interesting subjects were discussed. The amendments which were presented at the previous annual meeting were acted upon and voted to be placed on file with the exception of article IX., which was accepted as follows:

The Society shall publish once a month a paper called the "Dahlia News" for the dissemination of information on the dahlia, which paper shall be for sale by the society at one dollar per annum.

The following amendment to be added to the by-laws was presented to be voted upon at the next meeting:

If after due hearing a majority of the executive committee shall be of the opinion that any member has acted in a manner detrimental to the interests of the society, such committee may recommend to the society expulsion of such member. The society may legally expell such member at any meeting legally held.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

On Tuesday evening, January 17, Horticultural Hall was filled to overflowing with a merry throng, the occasion being Ladies' Night and installation of officers. Formal proceedings were brief. Officers' reports showed a prosperous and harmonious condition, the membership with the addition of ten new applicants numbering 422, and the balance in treasury

amounting to \$1,600, a gain of \$214 for the year. The average attendance at the meetings during the past year was 148.

The new officers were duly introduced by ex-President Westwood in his inimitable style.

It was decided that a banquet be held next month. The speaker at the next meeting will be Edwin Jenkins of Lenox, Mass., on the subject of Science in Horticulture. Date of meeting will be announced later. Wallace R. Pierson being called upon gave a few interesting facts regarding the sensational new roses Prince de Bulgarie and Dark Pink Killarney. Committees were appointed as follows:

Exhibition—D. Finlayson, Arthur Griffin, W. J. Harvey, A. A. Pembroke, W. A. Patten, Geo. M. Anderson, George Page, Kenneth Finlayson, W. McGillivray, W. E. Fischer, J. L. Smith, George Shields, W. C. Rust, David Weir and Albert Batley. Entertainment—P. J. Turley, C. J. Harvey, F. Murray, W. D. Nickerson, John Reid, G. W. Butterworth, J. P. Van Baarda, W. A. Hastings.

A vote of sympathy was passed on behalf of Julius Heurlin who last week lost one of his boys by scarlet fever and now has another very dangerously ill with the same disease.

The entertainment section was then turned loose and songs were delightfully rendered by Mrs. McEwen, Messrs Miller and Miss Guttenburg, after which refreshments were served and then the floor was cleared for dancing. It was a very enjoyable affair and well managed all through.

On the exhibition tables were lilacs from W. W. Edgar Co., primroses from Martin Sullivan, violets from H. F. Woods, solanum from T. J. Grey Co., and Roses Prince de Bulgarie and Dark Pink Killarney from A. N. Pierson, both of the latter being awarded a report of superior merit.

OVERWHELMED!

A large amount of reading matter which should have appeared this week is unavoidably left over for next issue because of lack of space. This includes interesting reports from the following clubs and societies: Pittsburgh Florists' and Gardeners' Club, Chicago Florists' Club, Horticultural Society of New York, Florists' and Gardeners' Club of R. I., St. Louis Florist Club, Westchester and Fairfield Horticulture Society, Worcester County Horticultural Society, Conn. Horticultural Society, Southampton Horticultural Society, N. J. Floricultural Society and Nassau County Horticultural Society.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The January meeting of this society was held on the 17th inst., Henry F. Michell, vice-president, in the chair. There were no exhibits and most of the time was taken up with business matters not of general interest to the outside public. A motion was passed inviting the National Sweet Pea Society to hold their annual exhibition in Philadelphia this year, and offering the co-operation of the P. H. S. in that connection. The date for this is not yet fixed, and it is understood that an invitation for the same event is offered by Boston. A report from

a joint committee of the P. H. S. and the Florists' Club was submitted, and met with approval. The main object of the committee is to endeavor to make the fall exhibition larger and more successful. The general opinion seems to be that under the present financial condition of the society, nothing effective can be done without a guarantee fund, and steps are to be taken to put such a fund under way. Some additional prizes were announced for the spring exhibition, March 21-23. William Kleinheinz, president of the National Gardeners' Association, announced that that society was deeply interested in the success of the National Flower Show, Boston, March 25th, and urged all members of the P. H. S. to make every effort to attend and reap big benefits from this great event.

ROCHESTER FLORISTS' ASSOCIATION.

Much friendly competition was aroused by the two tickets placed in the field a month ago, and interest culminated at the election held on the evening of January 9. The following officers were elected, the successful candidates being about evenly divided between the two tickets: President, George B. Hart; vice-president, George J. Keller; secretary, H. B. Stringer (each ticket); treasurer, W. L. Keller; trustees, F. R. Schlegel, Charles Suhr, J. O. Pridmore. The election was made unanimous.

By the treasurer's report it was shown that the association is in a flourishing condition. President Hart



GEORGE B. HART

President-elect Rochester Florists Association.

and the newly elected trustees were constituted a committee to consider the advisability of removing the association to other quarters. The report will be received at the February meeting, as will the report of the banquet committee.

A woman's auxiliary has been formed with Mrs. W. L. Keller as president. Meetings will be held in the association rooms the second Wednesday in each month.



THE BRUNSWICK

Boston's Most Popular Hotel

Boylston St. and Copley Square

HEADQUARTERS FOR VISITORS TO
THE NATIONAL FLOWER SHOW

Located directly opposite the Institute of Technology, and within two blocks of Back Bay R.R. Stations. All cars to Mechanics Building (Exhibition Hall) pass the entrance.

EARLY RESERVATION OF ROOMS IS ADVISED
European and American Plan

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FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayli, Wimsetti, Adiantoides, Aspidium Tsussimense, Crytomium falcatum, etc. Strong plants, 2¼-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

FIRE RECORD.

Savanna, Ill.—Fire totally destroyed the residence of J. Y. Lambert with all its contents on Dec. 30th.

Canton, Ohio.—Fire damaged the greenhouses of Charles Lindacher to the extent of \$1500 on Jan. 2nd.

Sturgeon Bay, Wis.—The 40 x 90 packing shed at the Evergreen Nursery was destroyed by fire recently.

Washington, Iowa.—The greenhouse

of J. Melinsky was totally destroyed by fire on Jan. 10th; but little insurance was carried.

Louisville, Ky.—One greenhouse of Mrs. G. W. Hodges and a barn filled with hay and boxes of glass were totally destroyed recently.

Summit, N. J.—Fire on Jan. 10th destroyed about 8,000 carnation plants, one greenhouse 20 x 250 feet and the boiler shed at Valentine Hamann's.

W. Fairview, Pa.—A warehouse, boiler room and several greenhouses of H. S. Miller were destroyed by fire of unknown origin Jan. 1st. Loss several thousand dollars.

South Hadley Falls, Mass.—The greenhouse of O. A. Judd & Son, market gardeners, Lathrop street, was partially destroyed by fire the morning of Jan. 11th. The fire was confined to one end of the greenhouse.

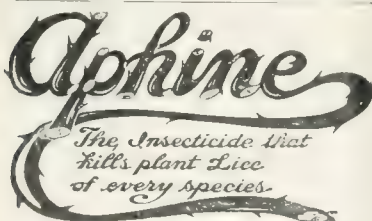
Keefer of Plainsfield, who will remove it to that place.

Auburndale, Mass.—F. W. Fletcher has erected a neat little building with flower store in front, at Riverside, of concrete block construction.

Angola, N. Y.—The firm of Neubeck Bros. has been dissolved, M. C. withdrawing and John J. continuing the business under his own name.

Richmond, Ind.—A project is on foot to erect a greenhouse to cost about \$5,000 at the Eastern Indiana Hospital for the Insane, to grow flowers for the inmates.

Hillsdale, Ore.—A new florist business has been started here by John C. Elliott. He has secured an eight-acre tract and will build a 130-foot carnation house in the spring.



You may depend on it for positive results, without fear of failure or dissatisfaction.

\$2.50 PER GALLON; \$1.00 PER QT.

"FUNGINE"

An infallible remedy for mildew and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 PER GALLON; 75c. PER QT.

For sale by seedsmen.

Manufactured by

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MADISON, N. J.**

NEWS NOTES.

Danvers, Mass.—E. & C. Woodman are making a specialty of small ferns, asparagus, etc., for pans, etc.

Benton Harbor, Mich.—The Cutler Nursery Co. has moved to new offices in the Dwan Bldg. on Territorial street.

Lents, Ore.—The Deming Greenhouses have been secured by Warren & Moore, who will extend and improve the plant.

Carlisle, Pa.—The greenhouse of Edw. A. Cuddy has been sold to Mr.

The E. G. Hill Co.

Wholesale Florists,

Richmond, Ind.

DREER'S HARDY PLANTS for FORCING



Rhododendrons FOR FORCING

To close out quickly we offer special values for an exceptionally fine lot of bushy shapely plants splendidly set with buds of best selling varieties: Per dozen. Per 100

18 to 24 inches high, 10 to 15 buds.....	\$10.00	\$75.00
15 inches high, 6 to 10 buds.....	6.00	50.00

Azalea Mollis

A splendid lot of bushy, well budded plants, 15 inches high, in fine shape for early forcing, \$4.50 per dozen; \$35.00 per 100.

Pot Grown Lilacs

Charles X and Marie Legraye, well budded, shapely stock, \$6.00 per dozen; \$50.00 per 100.

Primula Veris Superba

This Giant-Flowered form of the English Cowslip makes a most desirable pot plant. Its canary yellow flowers, which are from 1 to 2 inches across and produced in gigantic trusses of from 25 to 35 flowers each, appeal to

everyone, and it sells at sight. It can easily and quickly be forced into bloom at little expense. We offer a splendid stock of strong crowns, suitable for 3½ or 4 inch pots \$1.50 per dozen; \$10.00 per 100; \$90.00 per 1000.

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The above prices are for the Trade only.

ONCE Antirrhinums were only to be found in old-fashioned gardens—
NOW they are grown everywhere!!!

SUTTON'S charming ANTIRRHINUMS

are seen at their best when grown as ANNUALS from seed and may be relied on to give satisfaction on almost any spot chosen

TALL	INTERMEDIATE	TOM THUMB
Pink 24c.	Orange King... 24c.	Yellow Prince... 24c.
Carmine Pink... 24c.	Pink 24c.	White Queen... 24c.
Coral Red..... 24c.	Carmine Pink... 24c.	Crimson King... 24c.
Golden Chamois.. 24c.	Fire King..... 24c.	Old Rose..... 24c.
Superb, mixed... 24c.	Superb, mixed.. 24c.	Mixed 12c.

Collection of the 15 packets named above **\$3**

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CINERARIA HYBRIDA

Remember this is the
BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

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Nursery stock from France, Holland, England and Japan.

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Whole Field clumps At \$5.00 per 100 and up 100 in culture kinds enter snow, the orange or Cactus our selection of kinds for \$10.00 cash.

CANNA ROOTS

Strong Division, —At \$2.00 per 100, \$12.00 per 1000 and up

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Boddington's Quality Flower Seeds for Florists

SELECTED SEEDS, SUCCESSFULLY SOWN, SECURE SURE, SAFE AND SERVICEABLE SATISFACTION.

Remember you may deduct 5 per cent. if cash accompanies order.

AGERATUM

	Trade pkt.	Oz.
Mexicanum album	.....\$0.10	\$0.20
Blue Perfection	.....15	.50
Imperial Dwarf Blue	.....10	.25
Imperial Dwarf White	.....10	.25
Little Dorrit	.....15	.50
Swanley Blue	.....10	.25
Little Blue Star, trade pkt. 50c., 3 pkts. for \$1.25.		

BODDINGTON'S MAUVE BEAUTY
Large Mauve flowers; dwarf, compact, very free-flowering. A unique variety. Trade pkt. 10c., oz. 50c.

ALYSSEUM

White Gem.
A grand improvement on Little Gem, being much more compact; grand for bedding. Trade pkt. 25c., oz. \$1.00.

	Trade pkt.	Oz.	1/4 lb.
Little Gem, dwarf, best for pots	.....\$0.10	\$0.30	\$1.00
Carpet of Snow, for hanging baskets and borders	.....10	.40	1.25
Sweet (the old variety)	.....10	.15	.50

ASTERS

BODDINGTON'S Asters are Famous.
Write for catalogue of other varieties and prices.

	Trade pkt.	1/4 oz.	Oz.
Aster Ely Wonder, white	.....\$0.25	\$.75	\$2.00
Aster Ely Wonder, pink	.....25	.75	\$2.00

QUEEN OF THE MARKET ASTERS.

	Trade pkt.	Oz.
Boddington's Extra Early.		
Pink	.....\$0.20	\$0.60
Light Blue	.....20	.60
White	.....20	.60
Dark Blue	.....20	.60
Crimson	.....20	.60
Rose	.....20	.60
Flesh-Color	.....20	.60
Light Rose	.....20	.60
Scarlet	.....20	.60
Red-Lilac	.....20	.60
Finest Mixed	.....20	.60

BRANCHING ASTERS

	Vick's Branching.	Trade pkt.	1/4 oz.	Oz.
Crimson	.....\$0.25	\$0.35	\$1.00	
White	.....25	.35	1.00	
Purple25	.35	1.00	
Violet25	.35	1.00	
Rose25	.35	1.00	

Carlson's Branching.

Lavender\$0.25	\$0.35	\$1.00
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Simple's Branching.

Shell-Pink\$0.25	\$0.35	\$1.00
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Upright White25 .35 1.00

Trade pkt. each of the collection of 8 varieties for \$1.75.

Vick's New Early Branching, white\$0.25 \$.75 \$2.00

Vick's New Early Branching, pink25 .75 2.00

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	Trade pkt.	Oz.	1/4 lb.
Coral-Red, striking color\$0.20	\$0.60	
Carmine, splendid color20	.60	
Daybreak, light pink	.....20	.60	
Brilliant, scarlet, golden yellow and white	.....20	.60	
Crescda, dark scarlet	.....20	.60	
Queen Victoria, pure white	.....25	1.00	
Luteum, yellow	.....20	.60	
Firefly, scarlet	.....20	.60	
Romeo, deep rose	.....20	.60	
Lilacium, beautiful lilac	.....20	.60	
Mixed	.....20	.50	

BEGONIA

	Trade pkt.	Oz.
Boddington's Crimson Bedder	.....\$0.50	
Erfordii, carmine	.....25	
Semperflorens	.....25	
Vernon grandiflora, 1/2 ft. A fine bedding sort, with rich red flowers and glossy bronze-red foliage	.....25	

CINERARIA

	Trade pkt.	Oz.
Cineraria maritima, 1 1/2 ft.	.....\$0.50	
10c., oz. 25c.		
Cineraria maritima "Diamond." A vast improvement over the above. Foliage very white, leaves much serrated.		
Trade pkt. 50c., \$2.00 per oz.		

CENTAUREA

	Trade pkt.	Oz.
Candidissima	.....\$0.25	\$1.00
Gymnocarpa	.....15	.35

GREVILLEA ROBUSTA

	Trade pkt.	Oz.
(Silk Oak)	.....\$0.10	\$0.50

COBAEA

	Trade pkt.	Oz.
Scandens, H. P. Blue	.....\$0.10	\$0.30
Alba, White	.....20	.75

LOBELIA

	Trade pkt.	Oz.
Erinus gracilis, trailing; light blue	.....\$0.15	\$0.40
Erinus speciosa, deep blue; trailing	.....15	.50
Crystal Palace compacta	.....30	1.50
Emperor William compacta	.....25	1.00

MIGNONETTE

Boddington's Majesty. The finest of all fancy varieties of Mignonette for under glass or pot culture. Seeds saved from select pikes under glass. Trade pkt. 60c., 1/2 oz. \$1.00, per oz. \$7.50.

MYOSOTIS

	Trade pkt.	Oz.
Eliza Fonrobert, excellent for pots, blue	.....\$0.10	\$0.50
Palustris Semperflorens, ever-blooming	.....25	2.00

PETUNIAS

Boddington's Quality Double Fringed. Our double Petunias have reached the highest standard of excellence, and may be confidently relied on to produce a large proportion of double flowers of exquisite beauty and great size. 1/2 trade pkt. 60c., trade pkt. \$1.00.

Boddington's Snowball, Double. The finest double; pure white, 1/2 trade pkt. 60c., trade pkt. \$1.00.

BODDINGTON'S CENTURY PRIZE

Gigantic single flower having the edges deeply ruffled or fluted; fine substance, with deep white throats. Colors vary from pure white to dark purple-violet, many being beautifully striped or veined. 1/2 trade pkt. 60c., trade pkt. \$1.00.

	Trade pkt.	Oz.
Boddington's Bar Harbor Beauty, Single. Color a beautiful rose	.....\$0.25	
Boddington's Ruffled Giants. A grand selection of single fringed Petunias	.....50	
Boddington's Inimitable Dwarf Compact Hybrids. Single. Flowers blotched and striped	.....25	
Canary Bird. Medium size, finely fringed and curled borders; distinct yellow, which deepens in the throat. 5 pkts. \$1.00	.....\$0.25	

PETUNIAS—Continued

	Trade pkt.	Oz.
Emperor, Single. Large blossoms distinct in form, coloring and marking. The solid colors are particularly rich and velvety, some of the crimson blossoms have pink stars, some pure white, while others are distinctly striped	.....50	
Howard's Star. Rich crimson, with a distinct white star in center	.....25	
Rosy Morn. Soft carmine pink	.....25	
Snowstorm. Pure singletwhite	.....25	
Hybrida, Single Mixed. Oz. 50c.	.....15	

PYRETHRUM

	Trade pkt.	Oz.
Aureum (Golden Feather)	.....\$0.10	\$0.25
Selaginoides. Foliage fine serrated	.....15	.50

SHAMROCK

	Trade pkt.	Oz.
(True Irish). Small-leaved.		
1/2 trade 25c.	.....\$0.40	\$1.00

SALVIA

	Trade pkt.	Oz.
Clara Bedman (Bonfire). 1 1/2 feet	.....\$0.25	\$2.00
Splendens (Scarlet Sage)	.....25	1.00
Splendens. Bell of Fire. Very dwarf and early	.....25	3.50
Splendens, Little Lord Fauntleroy. Neat and compact, upright and free flowering 1/4 oz. \$2.00	.....50	
Splendens aucubaeifolia (Silver-spot). Dark green leaves, with light sulphur spots, resembling an aucuba, bright scarlet flowers	.....25	2.50
Splendens Carminea (new). Splendid rose carmine Dwarf	.....50	
Splendens gigantea. Attains the enormous height of 7 feet, highly recommended for groups or as an individual specimen	.....50	
Splendens pendula. Drooping spikes	.....25	2.00
Splendens, Boddington's Miniature. Early, dwarf, 12 in. and very free-flowering; covered the whole Summer with large flower spikes of rich scarlet	.....50	
Splendens, Zurich, 1/4 oz. \$1.50.	.....50	5.00

QUALITY VERBENAS

	Trade pkt.	Oz.
Boddington's Mammoth Hybrids. A strain of very vigorous growth, producing trusses of large flowers of brilliant and varied colors. Mixed	.....\$0.25	\$1.25
Boddington's Mammoth Auricula-flowered. Large flowers with distinct white eye	.....25	1.25
Boddington's Mammoth Blue	.....25	1.25
Boddington's Mammoth Pink	.....25	1.25
Boddington's Mammoth Scarlet Defiance. The finest scarlet sort	.....25	1.25
Boddington's White (Candidissima). Pure white	.....25	1.25
Boddington's Striped. Many colors	.....25	1.25
Lemon (Aloysia citrodora)	.....25	2.00

VINCA

	Trade pkt.	Oz.
Alba, white	.....\$0.15	\$0.50
Rosea, rose	.....15	.50
Rosea alba, rose and white	.....15	.50
Mixed	.....10	.40

We are headquarters for Sweet Peas of every description. Our Wholesale Catalogue of Quality Seeds and Bulbs (Is now ready), contains 52 pages of Seeds and Bulbs you need. Write for it today—a postcard will fetch it.

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NEW YORK CITY

ROSES FOR 1911

DARK PINK KILLARNEY. A sport of Killarney, similar in habit, but more highly colored than Killarney at its best. Grafted plants only, from 2 1/4-inch pots: \$20.00 per 100, \$180.00 per 1000.

LADY CROMWELL. A shell pink sport of My Maryland that for pleasing color is unsurpassed. A wonderful producer, and a color that sells. Grafted plants only, from 2 1/4-inch pots: \$30.00 per 100, \$250.00 per 1000.

PRINCE DE BULGAIRE. The best prices for cut flowers should be the standard for judging Roses, and this Rose has been the money getter. Strong and vigorous in growth, and with beautiful shell pink bloom. Grafted, \$20.00 per 100, \$180.00 per 1000. Own Root, \$15.00 per 100, \$120.00 per 1000.

DOUBLE PINK KILLARNEY. Originating with Robert Scott and Sons, who supply us the word for grafting. Stronger in growth than Killarney, and with at least ten more petals. Grafted stock only: \$30.00 per 100, \$250.00 per 1000.

MRS. AARON WARD. By far the most pleasing of the yellow Roses now on the market. A general favorite. Grafted, \$25.00 per 100, \$200.00 per 1000. Own Root, \$12.00 per 100, \$100.00 per 1000.

MELODY. We have reserved for our orders own-root plants of this choice novelty. No grafted plants. From 2 1/4-inch pots, \$30.00 per 100, \$250.00 per 1000.

RADIANCE. Strong in growth and making plenty of stem. Cerise pink in color. Grafted plants, \$18.00 per 100, \$150.00 per 1000. Own Root, \$10.00 per 100, \$90.00 per 1000.

A. N. PIERSON, Inc., - Cromwell, Conn.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

CARNATION ROOTED CUTTINGS

On Liberal Terms

Name	Color	Per 100	Per 1000
Dorothy Gordon	Deep Pink,	\$5.00	
Sara Nicholson	Dark Red,	4.00	\$35.00
Macon Victory	Red,	3.00	25.00
Winona			
Rose Enchantress Winsor	Deep Pink,	3.00	25.00
Enchantress May Day	White,	3.00	25.00
White to Perfection			
White Enchantress	Light Pink,	3.00	25.00
Lady Bountiful			
Ben Ami			

SARA NICHOLSON produced more good blooms than any DARK RED CARNATION we have ever seen.

WANTED: Customers for regular shipments of first class Carnation blooms, Lilies, Lily of the Valley, and various kinds of flowering plants. We supply retail trade at wholesale prices and save you the commission man's profit.

We will extend liberal credit to parties of good standing. Send us your orders early.

SHEPARD'S GARDEN CARNATION COMPANY
LOWELL, MASS.

JOHN T. WITHERS, Inc.

Landscapist Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

NEWS NOTES.

Penn Yan, N. Y.—George L. Barden, 2nd, of this town has purchased the Comings greenhouse property on Head street.

Beatrice, Nebr.—At the annual meeting of the Dole Floral Co., Mrs. S. H. Dole, E. W. Dole and W. A. Dole were elected directors.

1911

NEW and RARE

**SHRUBS
and
VINES**

Recently introduced from China. For particulars and prices write for our Garden Annual ready January 1st, 1911.

R. & J. FARQUHAR & CO.
Boston, Mass.

Roses, Carnations Chrysanthemums

Rooted cuttings and young pot plants. Write for prices. All the best sorts and quality the best.

S. J. REUTER & SON, Inc., Westerly, R. I.

Jan. 11th, 1911.

"HORTICULTURE is the very best magazine that comes to my table and I cannot do without it." "J. S. F." Illinois.

There is one thing certain about Cold Storage Lily bulbs and that is that the best quality is an absolute necessity to successful results. Poor bulbs may bring some returns if planted when they arrive from Japan, but they will not stand the Cold Storage strain. Now good Cold Storage Giganteum lilies are not only profitable but a very handy flower to have for funeral work, and you can depend upon them if you get good bulbs. A good Cold Storage Gig. will flower regardless of cloudy days, when your carnations look like pistache nuts or green almonds and you need flowers. No grower should be without at least a few Cold Storage Giganteum at all times of the year because they are one of the most useful and ornamental flowers produced. Horse-shoe Brand Cold Storage Giganteum are of superior quality. The prices for various sizes are reasonable and we will supply them in any quantity and at any time of the year. Order early and we will reserve them for you. Your business needs them whether you like to handle them or not, and you must attend to your business or your business will not attend to you.

Write Us.



Ralph M. Ward & Co.

12 West Broadway

NEW YORK CITY

Not How Cheap
But How Good

The Best Cold Storage facilities for bulbs in America are at New York, where the majority are stored.

Seed Trade

Fullerton Still Unconvinced.

Mr. Fullerton is the editor of the Long Island Agronomist. All epics, from Paradise Lost down, start with the subject. And so in this epic—we start out with Fullerton—who to himself is both subject and object. Fullerton is not a case of "man's first disobedience and the fall," however. He is a case of chronic scold—all because the seed trade refuses to go into the insurance business. Because, after paying his grower ninety cents a pound, and charging his customer a dollar—a net profit of ten cents—the seedsman declines to throw in a five thousand dollar crop guarantee, free gratis, Fullerton gets wrath with him!

It seems to us that HORTICULTURE has treated this Fullerton lad seriously on this subject time and again. But here he is again in the January number of his organ, playing the same old tune. The only cure for Fullerton is to start him in the seed business for a while. He would soon find that to guarantee that high-grade Golden Self-Blanching celery will not sport back to the wild celery is a pretty hazardous proposition. But we are told that Fullerton is a very nice fellow—knows all about the seedsmen, visits them, talks with them, sympathizes with their difficulties, likes them! If all that be true, he certainly takes an odd way of showing it. We fancy he is very much like the wonderful philanthropist the poet sang about:

"A warm and generous heart he had,
Alike for friends and foes.
And every day the naked clad—
When he put on his clothes."

If he keeps on in the same bigoted, self-righteous course he is now pursuing he is in grave danger of going to the place where no clothes are required.

G. C. WATSON.

Sweet Pea Novelties in England.

A bewildering list of new varieties confronts the enthusiast who is desirous of being up-to-date in his stock of sweet peas. I heard this week of one raiser having over thirty novelties on offer this season. W. J. Unwin is sending out a batch of new aspirants for fame as follows: Mrs. W. J. Unwin, orange scarlet flakes on white ground; Eric Harvey, white ground, wings edged deep rosy pink, with pink tinted standard; Freda Unwin, light blue self; Nettie Jenkins, a soft lavender self, described as a "Lady Griseld Hamilton Spencer;" May Farquhar, deep blue, similar to Lord Nelson; Mrs. R. Hallam, soft salmon, flushed primrose at base of standard; Mrs. H. D. Tigwell, primrose ground, with rose flakes; Mæde Ridge, white ground, flushed with heliotrope pink. C. W. Breadmore has a useful lot of novelties, including Freda, a waved pure white; A. N. Dickson, violet and purple waved variety; Charles Irving, a deep salmon Spencer; Mollie Clegg, lavender mauve Spencer, etc. Gilbert & Sons are making a special feature of Lady Florence Willoughby, cream pink, and Hyacinth, described as of a wine color. *Pride & Sons*, who have hitherto distinguished themselves in the rose world, have now taken up sweet pea raising. Their new varieties comprise: Blue Belle, of a tint the name



**The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS**

PRIMULA OBCONICA GIGANTEA

The most improved form of this beautiful flower, rich in colors, size of bloom and luxuriant in growth. Seeds should be sown in February to produce the best plants.

Fresh Crop Seeds Just Arrived.

In colors separate: Pale Lilac, Pink, Deep Crims n. Pure White, and all colors mixed. Trade Pkt. 50c.

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co., 518 Market St., PHILA., - - PA.

indicates; Mrs. R. Massey, similar in color to Agnes Johnston, and Mrs. Stewart Champion, a cream pink waved variety. Judging from the number of firms who are offering sweet peas, the "boom" is still a reality with signs of permanency.

W. H. ADSETT.

A Great Water Melon.

All the big seed houses are booming the Tom Watson water melon this year. Authorities seem to differ as to its origin, but it seems clear that Georgia and the Hon. Tom are highly complimented. A leading seedsman writes us:

"People down South really have little to say as to the origin of the Tom Watson water melon. If you ask those who are supposed to know, each fellow has a different story to tell. Nevertheless, the variety originally came from Georgia and was named in honor of Hon. Thomas Watson. It is a good melon and one that we sold very heavily of last year, but even although we had taken time by the forelock, we did not have anything like sufficient seed to go round.

We have somewhere about, what is presumably a history of the variety, and I think we have also in our trial grounds still another history, so as to who originated the variety it is not for me to say. Better ask Fullerton."

American Seed Trade Association.

The Executive Committee of the American Seed Trade Association met at Detroit on the 11th inst. and selected Milwaukee for the next convention city. There were present the president, Mr. E. L. Page, all the members of the committee, Messrs. J. C. Robinson, S. F. Willard, C. N. Page, S. F. Leonard and Kirby B. White, together with Watson S. Woodruff, chairman of Committee on Seed Legislation, Albert McCullough, chairman of the Membership Committee, and Messrs. W. H. Grenell and John Smith.

Arrangements were also made to attend the hearing on the Mann Bill which has been postponed to February 2nd. C. E. KENDEL, Sec'y.

Notes.

Cedar Rapids, Iowa.—The Hamilton Seed & Coal Co. have incorporated with a capital stock of \$25,000.

Grenloch, N. J.—The Bateman Mfg. Co., who make the Iron Age implements, celebrated their seventy-fifth anniversary on Jan. 12th.

Chas. W. Scott of the Yokohama Nursery Co. has just returned from Bermuda and reports the Harris crop in fine condition at present.

Mobile, Ala.—A new concern, the Southern Seed Store has started in business at 11 St. Francis street under the management of S. G. Forbes.

John Tobin, president of the Missouri Seed Company, has been elected a director of the Mid-Continental Fire Insurance Co., of Kansas City, Mo.

Moulton, Iowa.—A. C. Croft Seed Co. incorporated, capital stock \$10,000. Incorporators: A. C. Croft, William Edwards, W. C. Bowie, S. Richardson, W. J. Willett, Elmer Wood and E. L. Stickney.

A telegram received the other day by W. Atlee Burpee & Co., announced that the long deferred rains had at last struck California. Our old friend, Edwin Lonsdale, at the Burpee ranch in Santa Barbara county will now be happy as the plows can now be started. Tears, prayers, entreaties for rain, will take a back seat, and hustle will hold sway.

CALENDARS RECEIVED.

We hereby acknowledge the receipt of calendars, useful and beautiful, for the year 1911, from R. M. Ward & Co., Geo. E. Dickenson, Wm. Hagemann & Co., A. T. De La Mare Co., all of New York, W. Atlee Burpee & Co., of Philadelphia, Benj. Hammond, Fishkill, N. Y., and several others.

Please take out my ads, Feverfew and Snapdragon, as they are all sold. Many thanks to your paper.

ADOLPH E. E. KOCH.

Nobscot, Mass.

Jack Frost Mats

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS,

42 Vesey St., New York

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.;	Ounce, \$5.00
Finest Mixed	" " 60c.;	" 4.00
Crimson	" " 60c.;	" 4.00
Canary Yellow	" " 60c.;	" 4.00
Dark Blue	" " 60c.;	" 4.00
Deep Blood Red	" " 60c.;	" 4.00
Apple Blossom	" " 60c.;	" 4.00
Rose	" " 60c.;	" 4.00
Light Blue	" " 60c.;	" 4.00
Scarlet	" " 60c.;	" 4.00

FOITLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND

WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters

278-230

W. KINZIE STREET CHICAGO

CYCLAMEN PERSICUM GIGANTEUM "BERGLINDEN STRAIN"

New Crop Just Received, Cannot Be Equaled
in This Country

Mont Blanc, pure white, Atropurpureum, Superbum, white with dark eye, Roseum, Rose V. Marienthal, Salmon-eum, Lilacinum, beautiful lilac, 60c. per 100, \$5.00 per 1000 seeds; Roccoco, extra large fringed, 75c. per 100, \$6.00 per 1000 seeds.

VALLEY PIPS

Just In
Quality Special Best Forcing Grade
Price per 1000, \$12.00, in cases of 2000
Pips.

Also all other flower seeds and bulbs for florists

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

ONION SEED—ONION SETS

We are extensive growers and dealers. Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE OHIO

For Sale

1000 lbs surplus Onion Seed 1910 crop

N. J. WESTERMAN

Contract Onion Seed Grower
BUECHEL, . . . KY.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

PANSY SEED

Best strain of home grown Pansy seed obtainable, a strain that will be sure to please you.

Trade packet, 50c; 1/4-oz., \$1.50; 1-oz., \$5.00

1215 Betz Bldg.,
SKIDELSKY & IRWIN CO., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Luxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. *Wholesale list now ready.*

S. D. WOODRUFF & SONS,
82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Mark Street, BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application

The W. W. Barnard Co.
107-109 W. Kinzie St., CHICAGO

Established 1820

Thorburn's Seeds

For Florists and Market Gardeners.

All highest grade.

Catalogue mailed on application.

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag \$1.00. Mr. C. E. Jensen of Atlantic City, N. J., on Oct. 27, 1910, writes as follows: "I want to state that your three grades of Poultry Food, Chick Starter, Developing Food and 'Square Deal' Scratch or Poultry Food stands without an equal to-day. They are perfect mixtures and sound in grain and a pleasure to handle."

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

MANGOLD, SWIDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,
COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Oakland, Pa.—J. Dunlap Anderson
has purchased the Bouquet street
store of Marshall Anderson.

Fremont, Nebr.—The building oc-
cupied by C. H. Green's flower store
was destroyed by fire Jan. 3rd.

Bridgeton, N. J.—Mrs. Ray Hender-
son has closed her store on High
street and moved the stock to her
greenhouses.

Pittsburgh, Pa.—George Werheim
and Carl Klinke have formed a part-
nership and will open a new flower
store in the Jenkins Arcade.

New Kensington, Pa.—The McRae
& Jenkinson Co. are forced to close
out their East End store as the
building in which it is located is to
be torn down.

Louisville, Ky.—The fixtures of the
business of Fred Schulz, who went
into bankruptcy recently, have been

STEAMER DEPARTURES

Anchor.

Columbia, N. Y.-Glasgow...Jan. 28

Atlantic Transport.

Minnehaha, N. Y.-London...Jan. 21

Minnetonka, N. Y.-London...Jan. 27

Cunard.

Campania, N. Y.-Liverpool...Jan. 25

French.

La Bretagne, N. Y.-Hayre...Jan. 26

Hamburg American.

Pres. Grant, N. Y.-Hamburg...Jan. 25

Cleveland, N. Y.-Medit'r'n...Jan. 28

Holland-American.

Statendam, N. Y.-Rotterdam...Jan. 31

North German Lloyd.

K. Luise, N. Y.-Medit'r'n...Jan. 21

P. F. Wilhelm, N. Y.-Br'm'n...Jan. 31

Red Star.

Lapland, N. Y.-Antwerp...Jan. 25

White Star.

Adriatic, N. Y.-Shampton...Jan. 21

Celtic, N. Y.-Medit'anean...Jan. 25

Baltic, N. Y.-Liverpool...Jan. 28

Zeeland, Boston-Liverpool...Jan. 31

purchased by Geo. Schulz, who in-
tends to continue the business.

Dallas, Tex.—The Otto Lang Flower
Store at 1303 Main street was robbed
by burglars on Jan. 8th, the safe be-
ing cracked and the inner doors bat-
tered in. About \$340 in cash and
some articles of jewelry were taken.

Bellingham, Wash.—A very desir-
able space on the ground floor of the
new building on Dock street has been
secured by the Kersey Floral Co. As
soon as the building is ready they
will remove from their present loca-
tion on Elk Street.

Minneapolis, Minn.—Oscar Amund-
son, whose store burned down be-
fore the holidays, has opened up at
his new place, 613 Hennepin Ave.;
two blocks from his old place. He
has a very nice store and ought to
do a good business, for it is in a
very good location.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The Florist

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 SEATTLE, WASH.
1932 Second Ave.,

Orders given prompt attention.

W. R. GIBSON, Mgr.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Selling Merit! Intrinsic Value!

These are the qualities we promised you in our Holiday Goods. The record shows the result—**The Biggest December Business We Ever Did**—and now we are ready to take care of your mid-season wants. Quality and Price are our strong points. We have no competitors.

SEND FOR LIST OF GOOD SELLING SUPPLIES

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

PERSONAL.

S. J. Reuter, of Westerly, R. I., starts on a trip west this week.

Oscar E. Addor has resigned as corresponding secretary of the Nassau County Horticultural Society, having removed to Larchmont, N. Y.

George Scott, brother of the late John Scott, of Brooklyn, N. Y., and foreman at the Scott estate, was married to Miss A. Stevens, of Dalkeith, Scotland, on Tuesday, January 17. Rev. A. Scott, brother of the bridegroom, performed the ceremony.

Visitors in Boston: J. Otto Thilow, Phila., Pa.; J. S. Hay, representing H. A. Dreer, Riverton, N. J.; Robert MacMillen, Greenwich, Conn.; W. A. Manda, South Orange, N. J.; Wallace R. Pierson, Cromwell, Conn.; Louis J. Reuter, Westerly, R. I.; F. R. Pierson, Tarrytown, N. Y.; George Asmus, Chicago; H. A. Bunyard, New York; W. F. Kasting, Buffalo; F. H. Traendly, New York; E. W. Breed, Clinton, Mass.; S. S. Butterfield, New York.

Much regret is expressed by members of the Southampton Horticultural Society at the removal from their neighborhood of W. B. Jones, who goes to the Marcus Daly estate at Hamblinton, Montana, and their best wishes go with him. During the year he was with them he proved so sociable and agreeable that he became very popular with the members of the society. He was engaged on an entirely new estate and accomplished a great deal in the almost unprecedented dry season.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points so

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

CHICAGO NOTES. Wholesalers' Plans.

A meeting was held at Hoerber Brothers' on Saturday, Jan. 14, by the wholesale florists regarding the matter of moving to a building that shall be erected for this purpose only. Every thing is as yet very undecided and it may be some time before a decision is reached. A committee comprised of the following wholesalers was appointed to consider the way to dispose of the unexpired leases held by many parties, should they decide on the plan on hand. C. L. Washburn, chairman, August Poehlmann, Geo. Reinberg, J. B. Deamud, N. Weitor, Geo. Foerster, C. M. Dickerson.

Personal.

Philip Eichling is again at his old post at Harry Rowe's expecting to be there permanently.

Elsa Oechslein, oldest daughter of Ernest Oechslein of River Forest, is very ill with pneumonia.

S. J. Pearce has been confined to his room for the past week with rheumatism, his many friends hope to see him out soon.

Word reaches us from Los Angeles that Chas. E. Morton, formerly of Chicago, has accepted a position as manager of the Los Angeles flower market.

Charles McKellar, while not fully recovered from the blood poison that attacked his hands was able to be at his store for a short time last Saturday.

Horace Cheesman has just returned from an extensive trip. He reports great improvement in the south where the florist business seems to be increasing and much building going on or contemplated.

Visitors—R. H. Smyth, Benton Harbor, Mich.; Jos. W. Edmundson, representing the Braslan Seed Co., San Jose, Calif.; W. H. Buckbee, Rockford, Ill.; Fritz Bahr, Highland Park.

NEW FLOWER STORES.

Portland, Ore.—Lubliner and Trinz.
Oakland, Calif.—Gill's Floral Depot.
Evansville, Ind.—Wm. Blackman Floral Co., 522 Main street.

A new retail store will be opened on the 21st Jan. at 1734 Penn. Ave., N. W., Washington, D. C., by O. W. D'Alcorn, who has been conducting a bulb industry at Congress Heights.

IN BANKRUPTCY.

Oshkosh, Wis.—Oshkosh Floral Co. assets \$3,980.85, liabilities, \$4,339.08.

PHILADELPHIA NOTES.

John Burton is reported a little better, although still confined to sick room.

Robert Craig started on a visit to Cuba and the Isle of Pines on the 14th inst.

John Westcott and wife with a party of friends expect to leave shortly for a visit to Bermuda.

Visitors: George Struck, of Knight & Struck, New York city; D. Cameron, representing Sander & Son, St. Albans, England; Charles W. Scott, representing Yokohama Nursery Co.; J. Braselman, New Castle, Indiana; H. Frank Darrow, New York; F. H. Hunter, representing Waldo Rohnert, Gilroy, Cal.; Mr. Willard, Western Springs, Ill.; Mr. Rogers of Rogers Bros., pea and bean growers, Chaumont, N. Y.

INCORPORATED.

Council Bluffs, Iowa.—J. F. Wilcox & Sons are to incorporate. No stock will be sold outside of the family, except perhaps to two or three trusted employees. The capital is not yet decided upon.

New York, N. Y.—Charles F. Meyer, to deal in plants, bulbs, shrubs and nursery stock. Capital stock \$50,000. Incorporators: C. F. Meyer, E. A. Marsen and C. Schwake.

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Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main st.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 913 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 551 5th Ave.
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VALLEY—very choice, \$4.00 per 100.

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Good selection of miscellaneous stock:

Sweet Peas	Pansies	Romans
Mignonette	Daisies	Narcissus
Snapdragon	Lilac	Tulips
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BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—OF 100
TO DEALERS ONLY**

ROSES	CHI. AGO Jan. 17	WIN. CITIES Jan. 16	PHILA. Jan. 18	BOSTON Jan. 19
Am. Beauty, Fancy and Special	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00
" Extra	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00
" No. 1	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
" Lower grades	10.00 to 20.00	10.00 to 20.00	10.00 to 20.00	10.00 to 20.00
Bride, "Maid, F. & S.	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" Lower grades	5.00 to 7.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
Richmond Chateaux, Fancy & Special	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" Lower grades	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
Killarney, My Maryland, Fan. & S.	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
" Lower grades	6.00 to 8.00	4.00 to 6.00	4.00 to 6.00	4.00 to 6.00
CARNATIONS, First Quality	4.00 to 5.00	3.00 to 4.00	4.00 to 5.00	3.00 to 4.00
Ordinary	2.50 to 3.50	2.00 to 3.00	2.50 to 3.50	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to 75.00	60.00 to 75.00	40.00 to 50.00	30.00 to 40.00
Cypripediums	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Lily, Longiflorum	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Violets	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Mignonette	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	6.00 to 8.00
Lilac, per bunch	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Tulips	5.00 to 6.00	5.00 to 6.00	4.00 to 5.00	4.00 to 5.00
Roman Hyacinths, Paper Whites	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Daffodils	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Daisies	1.00 to 2.00	1.00 to 2.00	2.00 to 3.00	3.00 to 4.00
Snapdragon	1.00 to 2.00	1.00 to 2.00	8.00 to 12.00	6.00 to 8.00
Sweet Peas	75 to 1.00	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25
Gardenias	40.00 to 60.00	20.00 to 30.00	20.00 to 30.00	20.00 to 30.00
Adiantum	75 to 1.00	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25
Smilax	15.00 to 20.00	15.00 to 20.00	8.00 to 12.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00

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Everything in Flowers, from Best Growers. Complete stock of Florists' Greens, Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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We Grow Our
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Flower Market Reports

BOSTON At present writing there is a noticeable sea city in the rose market and a demand for more than are readily obtained. The crop is off, generally, and a cold snap has arrived just as the mid-winter gaieties are getting under way. Carnations are about right as to supply to meet the call. Other things are in full supply and some are too plentiful—for instance, daffodils, jonquils, lily of the valley and violets. All these, however, are of excellent quality. There is an adequate supply of cattleyas, and of gardenias there are more than are needed. Calendulas, freesias, pansies, yellow daisies, calanthes, amaryllis, myosotis, ericas and a variety of other things not usually considered as staple are available in limited quantities and serve to give desired variety for flower buyers.

A week of cloudy weather shortened the supply on most lines and flowers have been rather on the short side. Roses especially have fallen in supply. Floral work was in evidence and a good outlet was had on carnations, peas, violets, narcissi, etc. Beauties are coming in better quality, though there is no special demand for the long grade. Since the holidays Beauties have been of poor quality. Richmonds have been fine but supply limited. Spring flowers such as tulips and trumpet narcissi have made their appearance. Freezias are fine. Mignonette and stevia have had a good call. Violets have been on the quiet side. Little or no demand for lily of the valley.

There has been a rapid transit change in the market the past few days, as owing to the prolonged stormy and dark weather stock has shortened up in all lines, naturally increasing the demand. Possibly the shortage most felt is in pink and white roses, it being impossible to secure enough for the local demand alone. Beauties have become crippled and not so good in color, especially so in the long-stem grade. Carnations have stiffened owing to the scarcity of roses, the demand for pink and white being unusually strong. The quality is as good as for the past four or five weeks. The demand for lilies and callas is equal to the supply, although on some days a shortage is reported. Sweet peas are moving nicely as are also tulips, narcissi and Roman hyacinths. Mignonette has improved again and commands a fairer price, the best selling for \$8.00 per 100. Jonquils are obtainable but quality is not very good, although every day sees an improvement. The retailers around town report a very active business the past two weeks. Many dinners, banquets and numerous other large orders have kept them on the alert.

Business continued satisfactory for the week ending January 14th. Beauties in all lengths are fairly plentiful, with enough to meet all requirements. Richmonds are in very light supply and demand. All other teas are more plentiful with the exception of Killarneys and Brides. The shortage of Killarney is very noticeable, with an extra heavy demand. The request for Brides at times is in



Daffodils

are now in and to us suggest the coming of Spring and as a Spring flower they are indispensable. We are glad to say we have and will have a splendid supply of the choicest quality. \$5.00 per 100; \$10.00 per 1,000.

Lilac

Choicest grade, \$1.00 per bunch
Medium " .50 per bunch

Pussy

Willow

25c. per bunch.

Valley

Special, per 100.....\$4.00
Extra, per 100.....3.00

Gardenias

SPECIAL QUALITY
Special, per doz.....\$3.00
Fancy, per doz.....2.00

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WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Jan. 17		DETROIT Jan. 10		BUFFALO Jan. 17		PITTSBURG Jan. 17	
Am. Beauty, Fan. and Sp.....	20.00	to 25.00	30.00	to 40.00	30.00	to 50.00	40.00	to 50.00
" Extra	8.00	to 10.00	20.00	to 30.00	15.00	to 20.00	20.00	to 30.00
" No. 1.....	.....	to 6.00	15.00	to 22.00	10.00	to 15.00	10.00	to 15.00
" Lower grades.....	.....	to 4.00	5.00	to 12.00	5.00	to 7.00	5.00	to 8.00
Bride, "Maid, F. & S.	6.00	to 8.00	10.00	to 15.00	10.00	to 12.00	6.00	to 8.00
" Low gr.	3.00	to 5.00	4.00	to 10.00	6.00	to 8.00	3.00	to 4.00
Richmond, Chateaux, Fancy & Special	6.00	to 8.00	10.00	to 18.00	.....	to 15.00	8.00	to 12.00
" Lower Grades.....	1.00	to 5.00	4.00	to 10.00	6.00	to 10.00	6.00	to 10.00
Killarney, My Maryland, Fan. & Spl.	6.00	to 8.00	8.00	to 12.00	10.00	to 15.00	8.00	to 12.00
" Low Grades	3.00	to 5.00	4.00	to 8.00	6.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality .....	.....	to 4.00	3.00	to 4.00	3.00	to 5.00	.....	to 4.00
" Ordinary .....	.....	to 3.00	2.00	to 3.00	2.00	to 3.00	1.50	to 3.00
MISCELLANEOUS								
Cattleyas .....	.....	to 50.00	50.00	to 60.00	50.00	to 60.00	.....	to 75.00
Cypripediums.....	.....	to 15.00	15.00	to 25.00	10.00	to 15.00	.....	to 15.00
Lilies, Longiflorum.....	10.00	to 12.50	12.50	to 15.00	12.00	to 15.00	.....	to 12.00
Lily of the valley.....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets .....	.....	to 7.50	1.00	to 1.50	.....	to 7.00	.....	to 1.00
Mignonette .....	.....	to 2.00	2.00	to 4.00	.....	to 4.00	.....	to 6.00
Lily c. per bunch.....	.....	to 1.50	.....	to 1.50	.....	to 1.50	.....	to 1.50
Tulips .....	.....	to 4.00	4.00	to 5.00	3.00	to 4.00	2.00	to 4.00
Roman Hyacinths, Paper Whites	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
" Low gr. ....	.....	to 1.00	.....	to 1.00	.....	to 1.00	5.00	to 6.00
Daisies	7.50	to 10.00	1.00	to 2.00	.....	to 5.00	.....	to 3.00
Snopdr-gon.....	4.00	to 8.00	4.00	to 8.00	.....	to 8.00	6.00	to 8.00
Sweet Peas .....	.....	to 1.00	1.00	to 2.00	.....	to 1.00	.....	to 1.00
Gardenias.....	.....	to 50.00	4.00	to 50.00	40.00	to 50.00	.....	to 30.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	.....	to 1.50	.....	to 1.50
Smilax.....	10.00	to 12.50	15.00	to 20.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	20.00	to 30.00	10.00	to 20.00	10.00	to 20.00
" " & Spren (100 bchs)	.....	to 25.00	20.00	to 30.00	15.00	to 20.00	30.00	to 40.00

excess of the supply. Single violets with increasing numbers hurt the sale of doubles to some extent. True, double violets are selling, but at rock-bottom prices. The call for carnations

is excellent at prevailing normal mid-winter prices. The demand from out-of-town is exceptionally heavy. Paper Whites and Roman hyacinths are a

(Continued from page 87)

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Telephone 759 Madison Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS		Last Half of Week ending Jan. 14 1911	First Half of Week beginning Jan. 16 1911
American Beauty, Fancy and Special.....	42.00 to 60.00	50.00 to 75.00	
" " Extra.....	20.00 to 30.00	20.00 to 30.00	
" " No. 1.....	10.00 to 15.00	10.00 to 15.00	
" " Lower Grades.....	4.00 to 6.00	7.00 to 6.00	
Bride, 'Maid, Fancy and Special.....	6.00 to 10.00	8.00 to 12.00	
" " Lower Grades.....	2.00 to 5.00	4.00 to 6.00	
Richmond, Chateauf, Fancy and Special.....	6.00 to 12.00	10.00 to 15.00	
" " Lower Grades.....	2.00 to 4.00	4.00 to 6.00	
Killarney, My Maryland, " Fancy and Special.....	6.00 to 10.00	8.00 to 12.00	
" " Lower Grades.....	2.00 to 6.00	4.00 to 6.00	
Carnations, First Quality.....	3.00 to 4.00	4.00 to 5.00	
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00	

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Wholesale Florist
55-57 West 26th St., NEW YORK
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WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Flower Market Reports

(Continued from page 85)

glut on the market. Lily of the valley sells fairly well. Longiflorums and callas meet with a ready sale and at times more could be sold. Orchids are to be had but more slowly. Poinsettias are still to be had in quantity. In greens the demand for plumosus is far in excess of the supply, while Sprenger is a shade more plentiful. Smilax is moving rather slowly.

The warm and cloudy
NEW YORK weather of last week
has been succeeded by

a cold wave that has cut down the supply of roses and carnations, with a consequent stiffening of prices. Beauties of the special grade have reached 75 cents, with a corresponding increase in the price of lower grades and the supply is light. White and pink Killarneys have shared in the improvement of prices. Bridesmaids are comparatively few in number and general quality is not so good as last week. All white roses, particularly short and medium grades, are in limited supply and brisk demand. Carnations which were difficult to move last week are now selling well, the cut being much lighter. There are plenty of Paper Whites and tulips, the latter not running good—short stems mainly and imperfect blooms. Normal conditions prevail as to lily of the valley, the run of good stock bringing \$2.50 to \$3.00. Cattleyas are in good supply, the best grade being quoted at 40 cents, but a considerable quantity going for less. Lilies are quoted at \$10 to \$12 for the best quality. Green stock is plentiful.

Market conditions
PHILADELPHIA here the past
week were fairly

satisfactory and quite an improvement over our last report, especially towards the end of the week when a number of important society affairs developed which helped to clean up the surplus very nicely and increased the average as to prices. In addition, there was a distinct falling off in receipts, due to the dull weather, and in part also, to some items being near to the "off crop" stage. This was particularly the case with American Beauty and other red roses. American Beauty is not coming in in nearly as large volume as a week ago, and may be classed among the "off crop" items most decidedly. Pink roses are selling very well—with Killarney in the lead. White roses are also in good demand with supply slightly on the short side. These latter did not advance materially in price, however; but it would not

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Jan. 14 1910	First Half of Week beginning Jan. 16 1911
Cattleyas.....	20.00 to 40.00	20.00 to 40.00
Cypripedium.....	8.00 to 10.00	8.00 to 10.00
Callas, Longiflorum.....	6.00 to 10.00	8.00 to 12.00
Lily of the valley.....	1.00 to 3.00	2.00 to 3.00
Violets.....	.30 to .50	.25 to .50
Mignonette.....	1.00 to 4.00	2.00 to 8.00
Lilac, per bunch.....	..... to 1.00	.35 to .75
Tulips.....	1.00 to 3.00	1.00 to 4.00
Roman Hyacinths, Paper Whites.....	1.00 to 1.50	1.00 to 1.50
Daffodils.....	..... to 3.00	1.00 to 1.50
Daisies.....	1.00 to 2.00	.50 to 1.00
Snoparagon.....	3.00 to 6.00	4.00 to 6.00
Sweet Peas (per 100 bunches).....	4.00 to 10.00	4.00 to 12.00
Gardenias.....	15.00 to 30.00	10.00 to 50.00
Adiantum.....	.50 to 1.00	.75 to 1.00
Smilax.....	8.00 to 10.00	6.00 to 12.00
Asparagus Plumosus, strings.....	20.00 to 30.00	20.00 to 30.00
" " & Spreng. (100 bchs).....	15.00 to 25.00	15.00 to 35.00

have taken much more to have sent them up several notches. Carnations are still plentiful, but the cloudy weather affected them also, of course, and with roses short many orders went carnationwards that would not otherwise have gone that way—so that helped the situation greatly. Gardenias are still selling at low figures, although the dull weather has kept the supply down a little. The same may be said of orchids. The demand for violets is none too good, and the supplies from both local and distant points large. Later on the supplies will be even larger, but there is usually a much better demand as the season advances for these. Lilac and lily of the valley are a bit draggy. Sweet peas and lilies are going very well. Paper whites and Roman hyacinths are on the down hill. Some fair mignonette around but no freesia in sight as yet.

Conditions as they are reported just as we go to press (Thursday, January 19), are much more severe than above notes show. The scarcity all along the line is the most pronounced in recent years.

The dull condition
WASHINGTON of the market immediately following

the advent of the New Year was broken last week, and there was particular activity in the line of decorations. The strained condition of the violet market has finally been relieved and they are coming in in quantity, singles bringing \$1.00 and doubles \$1.00 to \$1.25. Bulbous stock is beginning to be shown in large quantities; paper white narcissi are plentiful, but tulips are as yet scarce as are also yellow narcissi. There is a big demand for gardenias for street wear for the fair debutantes, and they easily bring from \$3.00 to \$4.00 per dozen.

(Continued on page 93)

THE BEST LETTERS

FOR **R** THOSE
FLORIST'S MADE
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Boston Florist Letter Co

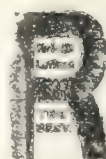
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N. F. McCarthy, Mgr.

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KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters etc. Every Letter Marked

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10,000....\$1.75; 50,000....\$7.50. Sample free.
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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Adiantum cuneatum and Farleyense, large clumps from bench, \$8.00 per 100; \$75.00 per 1000. Cash, please. Albert F. Anling Co., Maywood, Ill.

AGERATUMS

Ageratum Stella Gurney R. C., 50c 100; \$4.00 1000. Cash. J. P. Cannata, Mt. Freedom, N. J.

ALTERNANTHERAS

Alternanthera Brilliantissima and Aurea Nana, rooted cuttings, 60c. per 100; \$5.00 per 1000. Leonard Long, Oakhurst, N. J.

AMPELOPIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100, \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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Asparagus Sprengerii, strong, 2½ in., \$2.00 per 100; 500 for \$5.00. J. C. Schmidt, Bristol, Pa.

ASPARAGUS FOR FORCING

Will force in four weeks the most delicious Asparagus. Can be forced under greenhouse benches or in cellars. Customers were delighted with their success last season and are doubling their orders. Mammoth roots, per dozen, \$1.00, postpaid; \$4.00 per 100; \$25.00 per 1,000. Write for our Market Gardeners' wholesale catalogue just issued. Johnson Seed Co., 217 Market St., Philadelphia, Pa.

ASTER SEID

Elmer D. Smith & Co., Adrian, Mich.
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John McKenzie, North Cambridge, Mass.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses, Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-51 N. Market St., Boston.
French and Dutch Bulbs.
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E. S. Miller, Wading River, N. Y.
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CACTI

Cacti Free. The most wonderful plant grown. I live where they grow and make a specialty of collecting for dealers at low wholesale rates. \$3.00 per 100 up. A fine \$5.00 specimen given free with first order for 100. Price list and large pkt. of Cacti seeds for 5 cts. in stamps. Order at once. Mrs. S. L. Pattison, Wholesale and Retail Dealer in Cacti, Mesilla Park, New Mexico.
CACTI Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

CANNAS

Wood Bros., Fishkill, N. Y.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

One million cannas, \$7.00 per 1000 and upwards. Also dahlias, gladioli, irises, etc. Send for new list, over 100 kinds. Shell-road Greenhouses, Grange, Baltimore, Md.
Cannas, 2 to 3 eyes, dry roots. Louisiana, Pennsylvania, \$1.25 per 100. Austria, Italia, 60c. per 100. Cash. Wm. Bierstadt & Son, Springfield, Ill.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Two New Carnations.
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Harlowarden Greenhouses, Greenport, N. Y.
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CARNATIONS, ROOTED CUTTINGS.

	Per 100	Per 1000
Enchantress	\$2.00	\$15.00
Enchantress, rose pink	2.00	15.00
Enchantress, white	2.50	20.00
Beacon Red	2.00	17.50

No. 1 stock, February delivery.
Wm. Murphy, 311 Main St., Cincinnati, O.
Sangamo carnation cuttings, \$6.00 per 100, \$50.00 per 1000, or will exchange for Pink Delight or Dorothy Gordon cuttings. Rolf Zeltitz, Lima, Ohio.

Unrooted Lawson, Red Lawson, Carnegie, Va. Legated Lawson, Lloyd, Harlowarden, \$5.00 per 1000, prepaid. Ehmanns, Corfu, N. Y.

Carnations, rooted cuttings, Light Pink Enchantress and White Perfection, \$2.00 per 100. Wm. Schwan & Son, Fredonia, N. Y.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
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Stock plants, White Bonafon, Enguehard, Perrin, Weeks, White Cloud, Polly Rose, Comoleta, October Frost, Maud Dean, Jeanne Rossette Venetta, Pompons Zenobia, Viola, \$2.00 per 100. Ehmanns, Corfu, N. Y.
Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM STOCK PLANTS, all ready now. OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA, \$3.00 per 100; \$20.00 per 1000 assorted. POEHL-MANN, GOLDEN EAGLE, CHADWICK and YANOMA \$4.00 per 100; \$30.00 per 1000. PRES. TAFT, white, MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00 per 100. I. M. RAYNER, Greenport, N. Y.

Chrysanthemum Stock Plants. Early Snow, Polly Rose, Kalb, Poehlmann, Eaton, Nonin, Baby Margaret, Pacific Supreme, Gloria, Liger, Duckham, M. F. Plant, Maud Dean, Leo (Pink Pompon), Shrimpton, Cullingford, Georgianna Pitcher, Col. Appleton, Nagoya, etc., \$3.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 60c. per doz., \$4.00 per 100; Mrs. Wm. Wincott (White) and Mrs. A. R. Peacock (Pink), 1910 Novelties, \$1.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

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CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

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John McKenzie, North Cambridge, Mass.
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DAHLIAS

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

Dahlias, 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Daisies (Bellis) giant, double, fine plants, \$2.00 per 1000. J. C. Schmidt, Bristol, Pa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Frank Oeschlin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

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A. N. Pierson, Cromwell, Conn.
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3000 Boston and Piersoni Ferns, fine, strong, healthy plants; extra heavy, long fronds; from bench, 5-in., 25c.; 6-in., 35c.; 7 and 8-in., 50c. to 75c. Finest plants in state for making up. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N.J.

Neph. Whitmanii and Scotti from 2¼ inch pots, \$3.00 per 100. Runners from bench, \$15.00 per 1000. Scholzeii, 2¼ inch, \$5.00 per 100. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

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Peters & Reed Pottery Co., Zanesville, O.
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FORGET-ME-NOTS

Forget-me-nots, hardy blue fine plants, \$2.50 per 1000. J. C. Schmidt, Bristol, Pa.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.

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Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

15,000 extra strong R. C. now ready; single and double Grant, \$8.00 per 1000; cash. N. A. Corlin, Elberon, N. J.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums from 2¼ in. pots, S. A. Nutt \$18.00, Ricard \$20.00 per 1000; large well grown plants, satisfaction guaranteed. Stock plants, \$5.00 per 100. Quaker Hill, Nurseries, Monroe, N. Y.

Geraniums out of 2 and 2½ inch pots, strong, Double Grant, S. A. Nutt, La Favorite, Renault, Double Salmon, \$2.00 per 100. A. Ricard, Madam Barney and Thos. Meehan, \$2.50 per 100. Wm. Schwan & Son, Fredonia, N. Y.

Geraniums, S. A. Nutt, Beate Poitevine, A. Ricard and Buchner, white, 2¼-in. pots, \$2.00 per 100; \$18.00 per 1000. Nice, stocky plants, ready for shift. Cash with order. E. V. B. Felthousen, 184 Van Vranken Ave., Schenectady, N. Y.

GLADIOLI

GLADIOLI—Best sorts, extra mixture, all sizes. C. Betscher, Canal Dover, O.

Gladioli, new forcing Pink Beauty, great early bloomer, May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladioli Co., Growers, Saginaw W. S. Mich.

America gladiolus bulbets ready for shipment. Write for prices. B. B. Currier, Seabright, Cal.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Metropolitan Material Co., 1392 1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

In writing to Advertisers kindly mention Horticulture

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses, Lord & Burnham Co., 1133 Broadway, N. Y.

GREENHOUSE CONSTRUCTION

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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment, Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

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HAIL INSURANCE

Florists' Hall Asso. of America.

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James Backhouse & Son, Ltd., York, England.

Alpine and Herbaceous Plants.

HOSE

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Foley Mfg. Co., Chicago.

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Parsbelsky Bros., Brooklyn, N. Y.

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IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stump & Walter Co., New York.

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Tobacco Powder.

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IRIS

Boblink & Atkins, Rutherford, N. J.

German and Japanese Iris.

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IRIS—The very best out of 500 sorts.

C. Betscher, Canal Dover, O.

IVIES

English Ivy, large leaves, 3 in. pots, fine plants, \$5.00 per 100; \$45.00 per 1000. Wm. Schwan & Son, Fredonia, N. Y.

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

JACK FROST MATS

Wm. Elliott & Sons, New York.

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LANDSCAPE GARDENING**COURSE**

Home Correspondence School, Springfield, Mass., Dept. 8.

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Elliott Auction Co., New York, N. Y.

Pot-grown for Forcing.

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Kentucky Tobacco Product Co.,

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NIKOTEN APHIS PUNK

Nicotene Mfg. Co., St. Louis, Mo.

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Hardy, Northern Growers Stock.

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New and Rare Shrubs and Vines.

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McIntichison & Co., New York, N. Y.

Direct Importations.

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TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

Mannell of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

300 Aristolochia Sipho, 3 yr. \$15.00; 1500

White Snowberry, 2½-3½, \$6.00; 600 Ribes

alpina, 20-24 in., \$5.00; 300 Crataegus oxy-

cantha, 2½-3½, \$6.00; 300 Crataegus oxy-

cantha, 2-3, \$5.00. Send for additional

surplus list. Henry Lake Sons Co., Black

River Falls, Wis.

ONION SEED

N. J. Westerman, Buechel, Ky.

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ONION SETS

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Carrillo & Baldwin, Mamaroneck, N. Y.

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Ordenez Bros., Madison, N. J., Box 105.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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Orchids—largest stock in the country.

Stove plants and Crotons, finest collection.

Julius Roehrs Co., Rutherford, N. J.

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Edward V. Low, late of Hugh Low &

Co., dissolved, Vale Bridge, Haywards

Heath, England. "White" Cattleyas and

Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-

liams. 300 illustrations, 800 pages; descrip-

tions of upwards of 2500 species and varie-

ties of orchidaceous plants, etc. The most

complete work on Orchids and orchid cul-

ture ever published. Price \$10.00. Orders

filled by HORTICULTURE, 11 Hamilton

Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse

Lead; Special Greenhouse Putty. Lord &

Burnham Co., 1133 Broadway, N. Y.

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Roslindale, Mass.

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Julius Roehrs Co., Rutherford, N. J.

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Joseph Heacock, Wyncote, Pa.

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PANSY PLANTS

Pansy plants. Small seedlings from

seedbed, of finest strains, in mixture, just

the thing for transplanting and growing

on; by mail, 25c. per 100. Russell Bros.,

R. R. 4, Syracuse, N. Y.

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PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

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Siggers & Siggers, Washington, D. C.
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PELARGONIUMS

Pelargoniums. Finest varieties, excellent stock. 2½ in., \$4.50 per 100. The Corry Floral Co., Corry, Pa.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barborton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

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Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY FOOD

J. Bolgiano & Son, Baltimore, Md.
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PRIMULAS

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John McKenzie, North Cambridge, Mass.
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Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-grained, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$3.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

RASPBERRY PLANTS

J. T. Lovett, Little Silver, N. J.
Everbearing Raspberry.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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RHUBARB FOR FORCING

Mammoth Clumps, per dozen, \$1.75; per 100, \$10.00. Special price on quantity. Write for Market Gardeners' wholesale catalogue just issued. Johnson Seed Co., 217 Market St., Philadelphia, Pa.

RIBBONS AND CHIFFONS

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SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barborton, Ohio.

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Aggeler & Musser Seed Co., Los Angeles, Calif.

N. J. Westerman, Buechel, Ky.
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A Tomato early in North Dakota ought to be early anywhere. Fish's North Dakota Tomato has, in six years' careful breeding in this climate, increased three weeks in earliness. Good size, fine quality, prolific. 100 seeds, 25 cents. S. E. Fish, Valley City, N. D.

Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

SNAPDRAGONS

Snapdragons, plant strain, for cut flowers, fine plants, mixed and in colors, \$2.00 per 100; \$5.00 for 300. J. C. Schmidt, Bristol, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STRAWBERRY PLANTS

Strawberry plants, \$1.75 per 1000; 300 postpaid, \$1.50. Twenty-four Pomona Red Currants, \$1.00. Six Dahlias, 12 Lily Valley, 12 White Narcissus, 2 Lilacs, \$1.00. Two fruit farms for sale. Alva Cathcart, Bristol, Ind.

VENTILATING APPARATUS

Pierson U-Bar Co., 1 Madison Sq., N. Y.

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VENTILATING MACHINERY. New Model encased, self-rolling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinca variegata rooted cuttings, \$1.00 per 100. Russell Bros., R. F. D. No. 4, Syracuse, N. Y.

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E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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Read & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

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TRITONIA PFITZERI.

- Rowehl & Granz, Hicksville, L. I., N. Y.
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During Recess

Morris County (N. J.) Gardeners' and Florists' Society.

The annual dinner of this Society was held at the Mansion House, Morristown, N. J., on the evening of January 16. There was a large attendance and a hilarious and altogether glorious time. The dinner was a fine repast and the speeches were fitting to the occasion. Patrick O'Mara was toastmaster and, as is well known, there are few if any equals for this past-master of the art. William Turner responded for the Monmouth County Horticultural Society; Mr. Murray for the Elberon Horticultural Society; Harry A. Bunyard for the traveling man, "Horticulture Afoot and on Heels;" Mr. Everett, for Nassau County Horticultural Society; Mr. Woodcock for the Tarrytown Horticultural Society; Chas. H. Totty, for the "Future of Horticulture;" John Hayes, for

the N. J. Floricultural Society; W. H. Waite, for the Yonkers Horticultural Society; Wm. Duckham, for the Morris County Gardeners and Florists; A. Herrington, for "Ornamental Horticulture." A troupe of colored performers dispersed music without stint.

Chicago Bowlers.

The Bowling Club will visit Joliet on Sunday next when they will pick two teams from the members present. The first team will bowl with the All-Star team of Joliet, the second team will bowl a team from the employees of the Thompson and Chicago Carnation Co.'s. They expect to have a most enjoyable time and invite all florists to join them.

At the meeting on January 11, W. Lorman was elected secretary in place of A. Zech. The following scores were made:

VIOLETS.		ORCHIDS.	
Wint's'n, 129	144 120	Hu'b'n'r, 182	165 156
L'b'r'm'n, 148	177 130	Farley, 112	147 137
Fr'd'm'n, 137	156 156	Graff, 156	127 176
Lorman, 127	126 136	Degnan, 124	175 201
Yarnell, 155	179 150	J. Zech, 162	178 160
693 762 692		804 792 891	
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Wolf, 151	127 158	Ayers, 152	191 151
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Foster, 166	185 156	Go'r'sch, 174	144 156
Welsh, 112	111 100	Shultz, 133	113 105
Fisher, 200	157 132	A. Zech, 154	138 167
756 715 702		720 734 730	

New York Bowlers.

Scores recorded last Friday night were as follows:

Watkins	94	96	...	...	...
Kunkel	104	131	...	...	...
Berry	139	109	...	...	...
Nugent	85	97	89	92	...
Kakuda	128	129	124	137	141
Scott	119	129	118	132	156
Shaw	148	159	152	139	170
Manda	139	170	155	181	141

The Alex. D. Shaw & Co.'s high score champagne prize, Friday evening, January 13th, was won by the Bowling Club's secretary. Another similar prize from the same house went to J. Austin Shaw. The first handicap game will take place January 27th—the prize, by an old bachelor admirer of the bowling club—a pair of ladies' shoes.

Cincinnati Bowlers.

Following are the scores bowled Monday evening, Jan. 16:

Al. Horning, 168	154	F. W. Ball, 89	129
Ed. Sch'm'n, 140	169	H. Sundhaus, 97	131
W. Sch'm'n, 175	144	E. B'sen'y'r, 118	123
R. Witt's'r, 134	155	O. Hoff's'r, 90	192
R. Murphy, 143	171	L. Fritz, 110	98
F. Dellar, 118	146	A. Hendarp, 149	99
R. Dellar, 133	168	C. Pfeiffer, 81	87
C. Hoff's'r, 128	167		

Al. Horning won the knife offered by The J. M. McCullough's Sons Co. for the best average of the evening.

NEWS NOTES.

Austin, Tex.—Dr. A. B. Conley, the newly named superintendent of public buildings and grounds, announces the appointment of Charles Alfey, of Fort Worth, as State Florist.

Des Moines, Ia.—James M. Pierce, president of the Pierce's Farm Weeklies, has erected at Eldora three modern type Lord & Burnham greenhouses, and has associated with him J. S. Pollard, a florist of large experience. It is proposed to add to the florist business an extensive nursery department, and thirty acres of land have been secured as a starter.

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Flower Market Reports

(Continued from page 87)

This market is in first-class condition and the wholesalers are well pleased, the demand being good on almost everything in season. The retailers say that they, too, were pleased with the business of last week as there were a great many social events that called for fancy cut stock in roses, carnations, orchids and violets. At present there is no overproduction of anything, except it be California violets and even these have sold well at \$5.00 per 1000 for the very best, and from \$2.50 to \$3.50 next choice. Fancy long American Beauties sell at \$6.00 per dozen; carnations, \$3.00 to \$4.00; roses, from \$4.00 to \$8.00; extra fancy, \$10; sweet peas, 50c. to \$1.00 per 100; lily of the valley, \$3.00 to \$4.00; Roman hyacinths and Paper White, \$2.00 to \$3.00; lilies and callas, at \$10 to \$15 per 100. Smilax had quite a cut at \$12.50; in fact, all greens sold well.

OBITUARY.

Sidney Joseph.

Sidney Joseph, of Cincinnati, O., who has been conducting a flower farm near Dresden, Germany, for the last few years, lost his life by falling from a cliff in the Hartz mountains on January 9. The body will be brought by relatives to Cincinnati for burial.

John W. Remagen.

John W. Remagen, florist, died at his home 1124 North Main street, Lima, Ohio, Jan. 1st.

We are informed of the death of the father of Henry A. and W. H. Siebrecht of New York, but have no particulars. Further notes next week.

Landscape Gardening



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Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—Experienced and hustling man to go on the road to sell florists' supplies. Apply to N., care HORTICULTURE, Boston.

WANTED—Man to take charge of wholesale florist supply department, attend to shipping, etc. Address with references, H. S., care HORTICULTURE Office, Boston, Mass.

SITUATIONS WANTED

FOREMAN wants position; at present employed by wholesale grower in Massachusetts. A No. 1 grower of Christmas, Easter and bedding plants, also small ferns and stove plants. Life experience in Europe and U. S.; only responsible position will be considered; correspondence confidential; can start thirty days after engagement. Large salary expected. T. T., care HORTICULTURE.

SUPERINTENDENT or head gardener wants position; open for engagement March 1st, 1911, or later; 20 years' experience in the growing of flowers, fruits and vegetables under glass, as well as out of doors. Married. Only first-class position will be considered. State salary and give full particulars in first letter. Private interview desired. T. D., care HORTICULTURE.

Situation wanted at once by florist, experienced with carnation and general plant and bulb stock. American, married, sober, reliable and competent. Good references. Address: Florist, 21 Laurel St., Lowell, Mass.

POSITION wanted by married practical gardener on gentleman's estate; understands thoroughly landscape and greenhouse work, also care of cattle. Reply to A. R., care of R. & J. Farquhar & Co., 6 South Market St., Boston.

FOR SALE

GREENHOUSES FOR SALE TO TAKE DOWN

1 house 20 x 65, lights 16 x 24; 1 house, sash, 50 x 12; 1 Doric hot water No. 4; 1000 ft. 2 in. pipe; 40 or 50 sash 3 x 6. Also 5000 pots, different sizes. Price \$250 cash. Apply to

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Phone 127 Everett.

I am a farmer and have for sale strictly choice clover seed. Also handle mammoth and alsike clover, timothy and millet seed. Reid's Yellow Dent, Leaming, Boon Co. White, and Silver Mine and the big Silo fodder seed corn. Please ask for samples and prices. I also buy all kinds of seed. L. F. Stoecker, Farmdale or Peoria, Ill., Box 18.

SPLENDID OPPORTUNITY for a wide-awake party to acquire a well established retail florist business. Stock and good will to be sold, greenhouses to be let. One of the best places in Massachusetts for a progressive man. Present owner has too much business on hand. Moderate cash capital required. Apply HORTICULTURE, Editorial Dept.

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FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write FARSHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

Bailey's Cyclopaedia of Horticulture \$12, Bailey's, Taft's, Henderson's, other horticultural and botanical books, cheap, to close out private library. Spalding, 107 Brighton Ave., Allston, Mass.

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Catskill, N. Y.—Henry Hansen, one house.

Philadelphia, Pa.—George Snyder, one house.

Elkhart, Ind.—W. H. Troyer, house 30 x 105 feet.

Tulsa, Okla.—Estate of J. E. Crosby, conservatory.

Grimsby, Ont., Can.—M. Oldfield & Son, two houses

Elm Grove, W. Va.—John O. Dieckmann, one house.

Stouffville, Ont., Can.—Mr. Berliner, three houses.

New Liskeard, Ont., Can.—Mr. Berliner, two houses.

Hillside, Pa.—Victor Groshens, house 50 x 500 feet.

Ottawa, Ont., Can.—R. H. Wright, six houses, each 22 x 400 feet.

Toronto, Ont., Can.—Dale Estate, three houses each 22 x 650 feet.

Bracondale, Ont., Can.—Miller Bros., three houses each 29 x 300 feet.

New Market, Ont., Can.—W. S. Perlin, house 21 x 180 feet. Additional houses the coming year.

Tonawanda, N. Y.—Estate of W. B. O. Field, range of houses of about 4,000 feet, gardener's lodge, etc.

Atlanta, Ga.—The Dahl Floral Company have secured additional land upon which they are getting ready to build extensive greenhouses in the spring.

Montgomery, Ala.—W. B. Patterson expects to remove the present range of 200,000 sq. ft. to land secured outside of the city, and will erect a new and up-to-date plant.

Number 2 of the St. Louis Florists' Bulletin has come to hand. It is a prosperous four-page sheet, well supported with advertising by the local trade and others, and with some interesting reading matter.



DREER'S
Florist specialties.
New Brand New Style.
HOSE "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

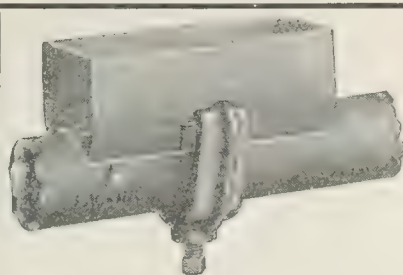
The HOSE for the FLORIST
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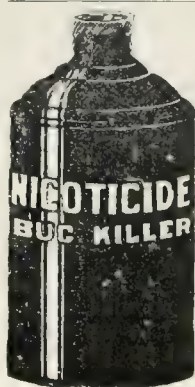
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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

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The Best
Bug Killer and
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Write to

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Packed in small crates, easy to handle.

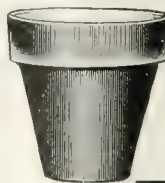
Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.96
1500 2 1/2 " " " 5.25	120 7 " " " 4.80
1500 3 " " " 6.00	60 8 " " " 3.00
1200 3 " " " 5.00	HAND MADE
800 3/4 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.90	48 10 " " " 4.80
450 4 1/2 " " " 5.24	24 11 " " " 3.60
340 5 " " " 4.51	24 12 " " " 4.80
200 5 1/2 " " " 3.78	12 14 " " " 4.80
	6 16 " " " 4.90

Seed pans, same price as pots. Send for price list
Cylinders for Cut flowers, Hanging Baskets Lawn
Vases, etc Ten per cent off for cash with order. Address
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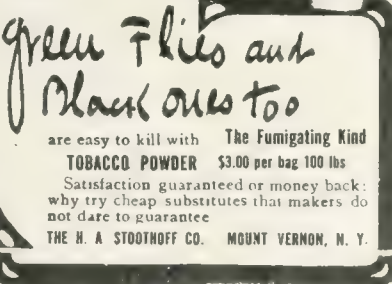
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THERE is no use in talking when you are up against facts.

The facts are these: In all our quarter of a century of greenhouse building not one, no not one grower has ever gone back to a wooden house after having bought one of our Half Iron Frame Houses. Neither have they ever bought a Half Iron Frame after buying one of our Full Iron Frame.

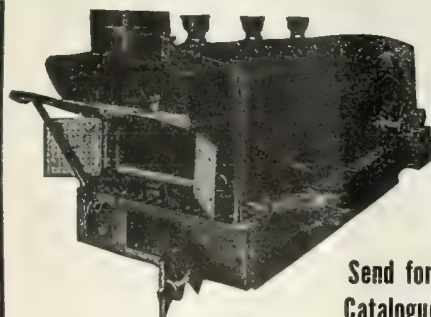
Don't you go backward when the other fellows are doing their darndest to go forward. Get in line — and keep there.

These two "Iron Framers" were erected for L. B. Coddington, Murray Hill, N. J. —one each in 1909 and 1910.

When you build we ought to build for you.

HITCHINGS & COMPANY

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HORTICULTURE

Vol. XIII.

JANUARY 28, 1911

No. 4



SPRING BULB EXHIBITION AT PITTSBURGH

I. Featherstone, gardener Photo by courtesy of A. T. Boddington

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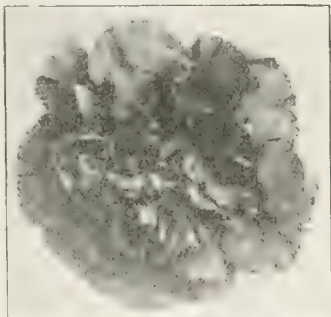
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It is a pure bright dark pink of even shade, size 3½ inches, an early and continuous bloomer; brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

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On Liberal Terms

Name	Color	Per 100	Per 1000
Dorothy Gordon	Deep Pink,	\$5.00	
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Beacon Victory	Red,	3.00	25.00
Winona			
Rose Enchantress Winsor	Deep Pink,	3.00	25.00
Enchantress May Day			
White Perfection	White,	3.00	25.00
White Enchantress			
Lady Bountiful			
Bon Ami	Light Pink,	3.00	25.00

SARA NICHOLSON produced more good blooms than any DARK RED CARNATION we have ever seen.

WANTED: Customers for regular shipments of first class Carnation blooms, Lilies, Lily of the Valley, and various kinds of flowering plants. We supply retail trade at wholesale prices and save you the commission man's profit.

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DOUBLE PETUNIAS , mixed, propagated from select stock of the finest colors.....	\$2.00	\$3.00	LEMON VERBENAS , semi-dormant stock.....	\$2.00	\$3.00
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	Per 100	Per 1000
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PINK DELIGHT	8.00	50.00
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DOROTHY GORDON	8.00	50.00
J. W. RILEY	8.00	50.00
ADMIRATION	8.00	50.00
WHITE PERFECTION	3.00	25.00
WINONA	3.00	25.00
ENCHANTRESS	3.00	25.00
ROSE P. ENCHANTRESS	3.00	25.00
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DAHLIAS Every Day in the Year.

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	100	1000
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Enchantress, Kingston Pet, White Enchantress, Win- sor	3.00	\$25.00
Lady Bountiful, Pink Law- son, Red Lawson, Var. Lawson, White Lawson	2.50	20.00

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3-year-old, 4 to 5 ft., well branched, budded.....	3.00	15.00
Dorothy Perkins, strong, field grown.....	2.00	15.00
Baby Rambler, half standards, 30 in. high.....	9.00	
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	Per doz.	Per 100
Azalea Mollis.....	\$4.50	\$35.00
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1911

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Fruit and Vegetables Under Glass

FRUIT TREES IN POTS

Fruit trees in pots intended for early work should be started now or along through February according to time the fruit is wanted. The middle of February is a good time to start pears and apples, the increasing sun power bringing them along without any trouble. Early varieties can be started at once and grown with peaches and nectarines, etc., in a

comparison with previous records you will know how you stand. Boards about 6 in. x 9 in. should have the top corners rounded off and a hole cut through, and after a coat of white paint these will not look unsightly if hung up in one corner of the house and the following items written on them, leaving spaces for the dates.

A 6 in. x 9 in. will serve three or four years. A great advantage of these is that entries can be made at any time and they are always in the house for reference.

FOR A PEACH HOUSE.

	1911	1912	1913	1914
Started....				
In Flower..				
Set.....				
Stoning...				
Second swelling..				
First pick..				

Apple King of Pippins No. 3

FOR A VINERY.

1911 1912 1913 1914

	1911	1912	1913	1914
Started...				
Breaking..				
In Flower..				
Set.....				
Thinning..				
Coloring..				
First cut..				

BEANS FOR POT WORK

Beans can be grown successfully in 8 and 9 in. pots, if a bench cannot be given up to them. In this way they can be moved around to fill up vacant spaces where a temperature can be had to suit them. Half fill the pots with rich soil, leaving it loose and insert six or eight seeds. The remaining soil can be added later as a top dressing. Black Valentine and Ne Plus Ultra are the best for pot work. The latter being more compact than the former, takes less twigs or strings to support it.

Pot on tomatoes, cucumbers and melons as soon as roots are nicely to the side of the small pots. Give every encouragement to induce them to make growth. A fine spray two or three times a day will be beneficial on bright days.

EGG PLANTS

Seeds can be sown now, and if room can be found in a warm



Duke of York Peach in Fruit
No. 1

mixed orchard house or placed in vineries as they are starting. Firm the soil in any pots which may have become at all loose and give a good watering.

Enough lime in the water to slightly color it will be greatly beneficial, purifying and sweetening the soil for the young roots to work into. Orchard trees must be brought on very gradually to obtain the best results. Forty to forty-five degrees at night is sufficient to start them. Syringe every morning and again soon after noon if there is any sun heat.

The first illustration, from a photograph taken last May, shows a Duke of York peach, carrying twenty-four first-class fruit, growing in a 12-inch pot. The second illustration is of the same tree pruned, and potted on to a 14-inch pot, ready to carry another good crop. Twelve to fifteen is enough to expect from any tree in a 12-inch pot. This one was an "extra."

Third picture shows a King of the Pippin apple which carried twenty fruits last year and shows plenty of flower buds for this year.

REFERENCE BOARDS

Now that many fruit houses will soon be starting into growth and are often expected to carry ripe fruit by a certain date each year, a record of their growth will always be found helpful, for, by



Duke of York Peach Pruned and Potted
No. 2.

house, this appetizing vegetable will pay for its inclusion, yielding solid fruits long before they are obtainable from the garden. A rich soil, moderately moist, and an absence of insect pests are its chief requirements.

George H. Penon

Mr. Penon's next notes will be on the following: Bud Drooping on Peaches and Nectarines; Care of Pot Vines; Melons; Care of Strawberries; Onions and Leeks.

Seasonable Notes on Culture of Florists' Stock

ASPARAGUS

While *Asparagus plumosus* will grow well without re-planting for a few years when rightly managed, the wise grower will have young stock coming along so as to renew the beds before exhaustion tends to lower the quality. Now is the time to sow for the renewal of old or the planting of new beds in June or July. Good plants will grow from seed sown now into potting size in from six to eight weeks. Use a well-enriched, friable, sandy soil and keep a temperature steadily as near 65 degrees as possible. See that a congenially humid atmosphere is also maintained. For the first potting use two-inch pots with well-enriched loam and grow on avoiding any check and stock will be ready for 3-inch pots in April. During all this time they should have plenty of light and moisture. *Asparagus Sprengeri* will take the same treatment.

CATTLEYAS AND LAELIAS

All these that have been potted or top dressed should be frequently syringed, but it must be borne in mind that over-watering at this season when the roots are inactive is very injurious. When new breaks appear and are fairly showing they should be encouraged by having that abundance of moisture about the house and benches, which is necessary to make a healthy growth that will produce fine flowers. Shading from the middle of February onward until fall should not be neglected. Use slat roller blind for shading, which gives the plants a certain amount of direct sunlight without damaging the foliage. This is better than a complete shade on the glass as when there is a long spell of dull weather the plants can then be exposed to full light. At this time and as the season advances such Cattleyas as *Schroederæ*, *Mendelii*, *Mossiae* and *gigas* as well as *Laelia purpurata*, *majalis*, and *crispa*, will require attention in the way of ventilation which should be very carefully regulated. Although they are fond of plenty of air, all cold draughts or sudden changes should be avoided. Remove all thrips and scale by frequent sponging.

PRIMULAS

From now until the first of May several sowings should be made to supply the demand for next season. Use finely sifted loam, leaf mold, and sand in equal parts. The seeds should only be covered very lightly and set the pans where the temperature stands near 70 degrees. Cover with a pane of glass and keep them moist and shady. In three or four weeks the seedlings will need to be pricked out. When they have three or four

leaves they should be potted off. Primulas when large enough do better and throw larger and finer flowers if potted in a rather stiff but fibrous soil, to which has been added some old manure, so the soil should be made heavier at each potting.

SEEDS TO SOW

For spring use and sales it is time now to sow such varieties as *Centaurea*, *Vinca rosea*, *Impatiens*, snapdragon, *Begonia semperflorens*, the trailing and upright Lobelias, *Salvia*, *Torenia*, single and double *Petunia*, *Marguerites*, *Phlox nana compacta*, *Mignonette*, *Cannas*, *Musa ensete*, *Grevillea*, *Gerbera* and *Verbena*. Where much stock of this sort has to be raised it is a good plan to select for this particular purpose a bench with bottom heat to set the flats on. For the sowing of these seeds use a well decomposed soil with about one-fourth of thoroughly rotted manure and enough sand to make it a little light, sifted for the top layer. After sowing press all down firmly and water with a fine rose. For a top covering, after the boxes are placed side by side, paper will answer very well. Given a temperature of about 60 degrees, with bottom heat a few degrees higher and enough of atmospheric moisture with a reasonable amount of moisture in the soil they will germinate promptly.

SOWING PALM SEED

As the fresh imported seed of palms that are used in commercial places arrive, if you have room and contemplate growing some young stock, just select at about 65 degrees with a good bottom heat. See that perfect drainage is provided for as it is very essential in starting palm seed. After covering the bottom of the bench with potsherds, put a layer of sphagnum over all, and then fill with about three inches of a compost of equal proportion of soil, peat and leaf mold. The seeds should be covered from a half inch to one inch according to their size. It is well to employ some sashes to cover the bench as it helps to regulate the atmospheric moisture while controlling the temperature, thereby keeping them in a comparatively uniform state. Palm seed is very irregular in germination. While some will germinate in three or four weeks others may not show for nearly a year. When the first leaf has expanded they should be potted into small pots and grown on.

SWEET PEAS

The benches of sweet peas that are flowering should be encouraged by some feeding as the days are beginning to lengthen now and root action will be more vigorous. Give them a mulch of partly decomposed cow manure mixed with a little soil. This can be applied just before a watering, then there will not be any danger of the foliage becoming injured. This mulch will help to protect the roots that are coming to the surface, and at the same time encourage better growth and bloom. Green fly from now on will prove more troublesome, so heroic measures must be taken to keep the plants clean. Fumigate as soon as they appear. Look after the ventilation closely, giving air on all favorable occasions. If you want a continuous crop of good flowers from early until late spring sow from now until the middle of February. If the bench is occupied sow in 4-inch pots.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Adiantums; Calceolarias; Forcing Shrubs; Geraniums; Ramblers for Easter; Violets.

HORTICULTURE

VOL. XIII

JANUARY 28, 1911

NO. 4

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.
 Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Vicissitudes of the rose market

Since our last report the flower market has experienced a brief feverish period, in which roses of all classes were the active factors. A sudden

and very decided drop in temperature after a warm spell which had encouraged rapid blooming appears to have been the main cause and it can hardly be said that the brisk call and sharp advance in values which ensued affords any very substantial basis for the erection of additional rose houses at once. That the spurt was but temporary in character was plainly evidenced by the rapidity with which a "bull" market was transferred into a "bear" market after one day of balmy sunny skies. So far as the growers were concerned they seemed to look upon it as merely an episode—a very welcome one which they would like to see often repeated, of course, but not to be construed, as it would have been in the past, as justifying any hope for continued high values. Only those few growers who "live in the past" and base their presumptions upon conditions and consequences which formerly prevailed entertain any notion nowadays of the feasibility of enforcing values other than those which result directly from the fluctuations of supply and demand. Experience has taught us that unfortunately markets, like corporations, have no souls and that where perishable material is concerned, the cost of production counts for but little as an immediate factor.

Production and distribution

Following the line of the foregoing remarks, it requires no argument to convince any reasonable person that one of the things most to be de-

sired for all interests in the flower trade is a practical means of distribution of the products, which will tend to promptly unload surpluses and prevent accumulations.

We think that most observers will agree with us when we say that, in the flower industry, the art of production has made infinitely greater progress than has the science of distribution. Had the latter kept pace with the former no one can deny that conditions today would be very different from what they are. As recently remarked in these columns, the existence simultaneously of a surplus in one market and a famine in another, with absurd inequalities in market quotations, as not infrequently happens, is a condition which warrants serious thought and which in any other line of business would long ago have called forth general consideration and an effort towards remedial measures. Our societies, clubs and associations have, within the past two or three decades, done an inestimable amount of good along the line of cultural advancement, and, today, as a result, we lead the world in the quality of many staple products. There are indications that these organizations are now about to turn a goodly share of their time and effort towards improvement in the direction suggested above and we look for helpful results if the work proposed is followed up to a finish.

CLUBS AND SOCIETIES

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

At the regular meeting of the Club on the evening of Jan. 3rd, President Burki being absent, Mr. Wm. Falconer was called to the chair. Nominations for officers for 1911 were made as follows: President, Jno. W. Jones and Wm. Allen; vice-president, P. S. Randolph; treasurer, H. L. Blind; secretary, H. P. Joslin; asst. secretary, C. S. Crall; executive committee, E. C. Reineman, Jno. Bader, Neil McCallum. Election will take place at the February meeting.

It was suggested to the chair that it was none too early to take up the matter of a committee to have in charge the arrangements for those who expected to attend the National Flower Show in Boston in March, and the chair stated he would name the committee later.

Jas. Wiseman, gardener for D. M. Clemson, showed pots of fine cyclamen. Jno. W. Jones, Phipps conservatories, showed *Primula stellata*. C. H. Sample, of the Elliott Nursery, Springdale, showed red-berried branches of *Rosa multiflora* which he thought might be available for Christmas decorations. T. P. Langhans, of the Pittsburgh Cut Flower Co., showed branches of *Ruscus aculeatus* "Butcher's Broom," which he believed to have a future before it for Christmas decorations. This plant grows abundantly in Europe and the branches are dyed red and green in Germany and exported. Neil McCallum, West End Park, showed medicinal herbs and read from several ancient authors, and particularly from the *Materia Medica* of Culpepper, showing the views of the ancients on these herbs, and their belief that they were good for what's the matter with you.

Subject for February meeting—Carnations. H. P. JOSLIN, Sec'y.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next club meeting will be held at Horticultural Hall on Tuesday evening, February 14, instead of February 21, the hall being rented on the latter date. Edwin Jenkins of Lenox, Mass., will speak on "Science in Horticulture." There will be special exhibits of carnations and roses, and introducers of novelties should bring or send a bunch of each variety along.

The annual club banquet will be held at Horticultural Hall February 28. Tickets are ready and may be procured from the officers of the club or members of the executive committee.

W. N. CRAIG, Sec'y.

CINCINNATI FLORISTS' SOCIETY.

A special meeting of the Cincinnati Florists' Society was held Monday evening, Jan. 23rd, with about twenty members in attendance. The meeting was called to hear reports from the finance committee in regard to the projected flower show. The committee reported \$13,050 subscribed to the guarantee fund and hope to bring same up to \$20,000. It was decided to hold a show at Horticultural Hall, November, 1911, from the 13th to 18th inclusive. The committee is now at work on the schedule of premiums and will have same ready for discussion at the next regular meeting.

FLORISTS' AND GARDENERS' CLUB OF RHODE ISLAND.

The annual dinner of this Club took place in Swartz Lodge Hall, Providence, on Monday evening, January 16, nearly 100 members and friends being present. Previous to the dinner a brief business session was held, when officers were elected as follows: President, Robert Johnston; vice-president, Eugene Appleton; secretary, Wm. E. Chappell; treasurer, William Hill; librarian, Harry Bout. The tables were prettily adorned with araucarias in baskets and carnations. Among the guests were: Thos. J. Grey, of Boston; Chas. W. Smith, secretary of the Rhode Island Horticultural Society; Prof. H. J. Wheeler, of the Rhode Island Agricultural College, and W. A. Brown, secretary of the R. I. Poultry Association. An eloquent address was made by Thos. J. Grey in response to the toast of Floriculture and Horticulture of the Sister City (Boston), in which the speaker made affectionate reference to the many accomplished men in the craft who have passed away leaving an undying fame for themselves and the city in which they labored. Prof. Wheeler made an interesting address on the present day problems of agriculture and horticulture, especially mentioning the insect pests that menace the work of the arboriculturist.

Other speakers included Charles W. Smith, on behalf of the Rhode Island Horticultural Society, of which he has been secretary for 21 years, and from which he is retiring this week; Michael Sweeney, who was introduced as the "Chauncey Depew" of the Club; James B. Canning, who spoke on the subject of "Progress in Design Work;" Charles Macnair, on "Ways and Means of Delivering Flowers;" H. Howard Pepper, on "Outdoor Growing of Hybrid Roses;" John Burke, on "Rose Culture;" James Burke, on "Carnation Growing," and several others.

The committee in charge consisted of Alex. Macrae, chairman; James Dillon, H. C. Neubrand and Robert Johnston.

WESTCHESTER AND FAIRFIELD HORTICULTURE SOCIETY.

On the call of a number of gardeners and florists, who met at the Rye Nurseries, Rye, N. Y., on December 28th, 1910, it was resolved to form a horticulture society, and so therefore formed the Westchester and Fairfield Horticulture Society. We held our next meeting on January 11th, 1911, and decided on a permanent meeting place, Royal Arcanum Hall, in Stamford, Conn., also setting the date for holding our meetings, which is the second Friday of every month. Our next meeting will be therefore, on Friday, February 10th, 1911, at 8 p. m.

The officers are as follows: James Stuart, president; Alex. Geddes, vice-president; Martin M. Benedek, secretary; Thos. Aitchison, treasurer; executive committee, William Morrow, Stamford, Conn.; Chas. Adcock, New Rochelle, N. Y.; H. L. Hand, Port Chester, N. Y.; Robt. Williamson, Greenwich, Conn.; J. T. Burns, New Canaan, Conn.

All interested in said Society will kindly address all communications to the Secretary, Martin M. Benedek, Box No. 136, Mamaroneck, N. Y.

FLORISTS' CLUB OF PHILADELPHIA.

Ex-Mayor Smith invites the florists to an organ recital, a lecture on the flowers of Yellowstone Park, and a dance at Scottish Rite Building, Monday, January 30., 7.30 P. M. Here's a quotation from his letter to secretary Rust of the Florists' Club:

"Out of compliment to the Florists' Club and the lecturer (J. Otto Thilow) I shall be very happy to have you invite the membership of the Florists' Club and their ladies to be present—see our new hall—and accept our courtesies."

The entertainment is "open without card" to all members of the Florists' Club and their ladies. The organ recital will be by Professor F. J. O'Brien, and will be worth in itself going a long way to hear. J. Otto Thilow's lecture on "The Flowers of Yellowstone Park" will be lavishly illustrated by stereopticon views, and those who know this witty and eloquent speaker can easily imagine the treat in store for them when he accompanies each view with a running narrative sparkling with gems of thought, garnered from a wide experience and passed through the crucible of a wise head. The organizer will render selections at intervals during the lecture so as to add still further to the alluring effect. The dance will follow.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club held an interesting New Year's meeting on Thursday afternoon, Jan. 12.

Our members from over the river came out in full force. President Cannon opened the meeting at 2 o'clock with all his staff of officers present. The bulletin committee reported through Secretary Beneke that the bulletin is now on a paying basis, and would be continued to be published every second Tuesday in the month.

The free scholarship of the Missouri Botanical Garden was voted upon and the vote favored Mr. Fred G. Grassart of Belleville. The other applicant was Mr. F. K. Smith, of Charles City, Iowa.

There was a big discussion as to how the club should celebrate its twenty-fifth anniversary next June. It was finally decided to instruct the trustees to prepare plans and report at the next meeting.

It was also decided that the February meeting should be known as the carnation meeting, the trustees to select good discussions for this meeting and florists who have new varieties should send blooms for inspection. Fred Ammann invited the members to the annual meeting of the Illinois State Florists' Association on Feb. 8 to 9. The invitation was accepted with thanks.

NORTH SHORE HORTICULTURAL SOCIETY.

The North Shore Horticultural Society held its twelfth annual banquet, Wednesday, January 25th. About 200 sat down to a feast of the holiday bird. Music was rendered by Long's Orchestra and the hall was artistically decorated with hemlock trees and branches, and the tables with flowers. President Alfred E. Parsons welcomed the guests, and made a very interesting and witty address. Among the other speakers, humorous and eloquent, was F. W. Byers, who spoke, feelingly of the "Community Spirit," which is so valuable an asset in town prosperity.

CHICAGO NOTES.

Bulb Troubles.

It is still early in the season but indications are that some of the bulb troubles of two years ago are to be repeated this year, especially with tulips. Reports from two of Chicago's largest growers show that bulbs from one of the largest Holland growers whose stock has hitherto been perfectly satisfactory here, is this year coming entirely blind—that is, failing to produce flowers. This is not the result of early forcing as bulbs were not placed in heat till after the holidays and other bulbs under similar treatment have produced perfect flowers. The varieties so far tried are the early forcing ones—Proserpine and Montresor. What the result will be in later varieties remains to be seen, but, for the sake of the growers who have invested thousands of dollars it is to be hoped that the loss of two years ago will not be again experienced.

Among the Trade.

J. Kidwell expects to build a house for his men at the place at Wallworth Farm this spring. Mr. Kidwell is getting his plant there in excellent shape and cutting some fine stock.

The subject of the removal of the wholesale florists to Market and Lake streets continues to be agitated. Several meetings have been held and a decision is likely to be reached soon.

Zeck & Mann are showing several novelties shipped to them from the south, among which are wild violets, camellias and a vine bearing yellow bell shaped flowers, very attractive in appearance.

The Chicago Carnation Co. are showing some very flattering testimonials regarding the quality of the stock of rooted cuttings of the Washington carnation they have shipped so far this season; 50,000 have already been delivered. This firm has just received a large shipment of Dorner's carnation White Wonder. It was excellent stock.

Personal.

George Asmus has returned from a trip to Boston.

Julius Schnapp is no longer with Canger & Gormley.

Arthur Christianson has accepted a position with Paul Blom & Co.

T. C. Yarnall has resigned his position with the J. B. Deamud Co.

Henry Goebel started this week for a trip in the interest of the Chicago Carnation Co.

E. C. Amling is settled in the new store on Randolph street, where he has double the floor space.

Lloyd Vaughan states that never in his experience has there been such a shortage in flowers along all lines.

Little "Billy" Hornberg, Jr., has been seriously ill and friends are glad to hear that he is on the road to recovery.

Miss E. Mechelson, who is with her sister, Charlotte Mechelson, will take a vacation from business and visit in Keokuk, Iowa.

Mr. and Mrs. A. Lang leave tonight for a visit in Omaha, where Mrs. Lang's parents will celebrate their golden wedding.

W. E. Ward, bookkeeper for the E. H. Hunt supply house has just returned from the funeral of his mother which

took place at Darlington, Wis., on the 20th of January.

C. M. Dickinson of the E. H. Hunt Co. is glad to be back to the store again. Jury duty is not a pleasure, even if it is the duty of a citizen.

Frank Oechslein surprised his friends by announcing Jan. 19th that his bachelor days were over and that he was married to Miss Rosa Maier. Mr. and Mrs. Oechslein have the best wishes of the trade.

Chas. McKellar is able to resume his place in his store and assist in directing the business, although still unable to use his hands. Mr. McKellar's is the last of the many cases of blood poisoning reported among the florists this season.

Ulrich E. Helie, lately with Holm & Olson, of St. Paul, Minn., has taken a position with Canger & Gormley and will have charge of the decorating, etc. Mr. Helie has had experience also in several of the eastern cities, including Boston and New York.

Several of our florists are suffering with rheumatism. Frank Klimmer has been confined to the bed for two weeks. Sam Pearse, who has been ill is now suffering a relapse and H. C. Blewitt of Desplaines has not been able to be in the market for several days.

Visitors—F. A. Butchert, Rosari, Man., John Telelaar, representing Van Meenween & Telelaar, Lisse, Holland; Joe Stuppe, St. Joseph, Mo.

PHILADELPHIA NOTES.

John Westcott and party left for Bermuda on the S. S. "Oceanic," Thursday, January 26th.

We are pleased to report that John Burton is so far recovered as to have been able to take a short trip to town from his residence in Chestnut Hill on the 24th inst.

R. Eisenhart, Torresdale, is setting the pace among the local violet growers here this year. His crops of both singles and doubles are exceptionally good and are undoubtedly the best coming to this market.

Jno. Welsh Young is credited with the best freesia that has reached this market so far. It is only medium long but fine as to size, substance and purity. The stock seems to have been grown moderately cool and is well-hardened off. Freesia growers please note the last line.

W. R. Gibson is on a visit to his mother here and will remain for some time to regain his health before returning to Seattle. It will be remembered that he met with an almost fatal accident while horseback riding near Seattle last summer. His physicians say that with good nursing and quiet he will get well.

The business of the late J. Wm. Colflesh, grower of foliage and flowering plants at 53rd and Woodland avenue, will be conducted under the same title and along the same lines as heretofore by his sons, J. Wm. Colflesh, Jr., C. Ben. Colflesh, and David E. Colflesh, who have formed a partnership. They are good boys and have been brought up in the business, and we feel sure will worthily uphold the good reputation of the establishment.

Visitors: W. R. Gibson, Seattle, Wash.; William J. Stewart, of Boston, Mass.; B. Hammond Tracy, Wenham, Mass.

During Recess

Chicago Bowlers.

The following score was made by the Chicago bowlers at their regular weekly meeting, January 19th:

Violets.			Orchids.		
1st	2d	3d	1st	2d	3d
Stuppy,	127	156 110	Hu'b'n'r,	132	95 149
L'b'm'n,	117	142 176	Zeck,	133	173 152
Fr'd'm'n,	157	176 112	Graff,	147	143 153
Lorman,	168	156 171	Degnan,	165	190 144
Yarnall,	171	153 163	Farley,	185	172 159
Roses.			Carnations.		
1st	2d	3d	1st	2d	3d
Wolf,	178	172 161	Ayers,	142	141 163
Foster,	162	162 163	Kraus,	158	132 124
Bayers,	136	155 179	Goerish,	115	147 126
W't'r's'n,	159	163 152	Schultz,	131	169 171
Fisher,	145	179 186	A. Zeck,	164	200 157

Roses.

	1st	2d	3d		1st	2d	3d
Wolf,	178	172	161	Ayers,	142	141	163
Foster,	162	162	163	Kraus,	158	132	124
Bayers,	136	155	179	Goerish,	115	147	126
W't's'n,	159	163	152	Schultz,	131	169	171
Fisher,	145	179	186	A. Zeck,	164	200	157

On Sunday, January 22, the Chicago bowlers, eighteen in number, went to Joliet to play the teams of the Chicago Carnation Co. and the Thompson Carnation Co. By a conflict of arrangements the alley was not wholly at the disposal of the florists and only a portion of the teams could participate, greatly to the disappointment of the Chicago boys, who played without spirit and all three games went to Joliet. February 5th is set for a return game at Chicago, when the home team will seek to reverse the results of last Sunday.

New York Bowlers.

Scores last Friday night were as follows:

Ch'dw'k,	183	183	180	Berry,	125	131	123
Scott,	135	150	157	Watkins,	84	88	108
Rick'ds,	124	136	150	Shaw,	122	147	125
Nugent,	89	164	90				

A St. Louis Feast.

The Retail Florists' Association of St. Louis gave a banquet to its members on Monday night, Jan. 16, at the Marquette Hotel. The only invited guests were the four wholesalers, Messrs. Kuehn, Berning, Smith and Angermuller, who say they enjoyed a splendid evening. There were twenty members of the association present. The tables were nicely decorated with cut flowers and smilax. After a most enjoyable feast President C. C. Sanders, who acted as toast-master, called upon each one for a few remarks. Vice-President Theo Miller, Secretary F. C. Weber, Jr., and Treasurer R. J. Windler were in excellent humor after the feast and said they spent the most pleasant evening of their lives.

Tarrytown Horticultural Society.

The twelfth annual dinner of this Society took place on January 18th at the Hotel Tarry. The attendance was large and enthusiastic applause greeted Toastmaster C. H. Tibbets and his corps of entertaining speakers. Among the latter were: J. Austin Shaw, J. H. Sperry, W. Odell, F. B. Conine, J. F. Dinkel, Thos. Everett and others. There was fine music and the tables were beautifully decorated with flowers and greenery.

Geo. Staff, of New Castle, Ind., has organized a bowling club among the growers of that city.

OBITUARY.

Samuel C. Moon.

The nursery trade of America has lost a distinguished member in the passing away of Samuel C. Moon. He was a good nurseryman in all that the word implies—commercially, scientifically, and from a civic standpoint. He was born and bred in the business—his father, to whom he succeeded, having been a nurseryman before him. The horticultural world has lost a distinguished member, as Samuel C. Moon was much more than a mere merchant—he had ideas, aims and convictions far above the mere making of money. The State of Pennsylvania has lost a good citizen, as Samuel C. Moon cared more and did more for the advancement of arboriculture, agriculture and horticulture during his active and beneficent efforts covering some fifty years, than the most highly lauded politician or destroyer in that day and generation. The United States and the world at large can ill spare such men. His life was devoted to the fundamental principle of conservation of natural resources, and the embellishment of home surroundings—catering to the profit, comfort and pleasure of all and every citizen of this great republic. A noble aim and nobly carried out.

Mr. Moon is universally admitted to have known more about trees, shrubs and other hardy plants than most nurserymen. He was not only a great scholar, but an experienced grower, and he gave fully and freely from his rich stores without thought of reward, recompense or praise. He was public-spirited in the highest degree. If a club or society wanted a lecture, he would travel hundreds of miles to oblige them. If some organization wanted a picnic, with instruction thrown in, he would invite them to his wonderful nursery of old and young trees at Morrisville, at his own expense, feed them, talk to them, have his family entertain them, and send them all home again, safe, happy and wiser. A most estimable character was Samuel C. Moon—a Quaker, but not bigoted. A broad minded, whole-souled, genial, warm-hearted man. The writer knew and loved him for 25 years, and the longer the more. A fine man—and everything a man should be. All blessings on his memory.

Mr. Moon's death occurred at his residence, near Morrisville, Pa., Jan. 21st, in his 57th year. The funeral services were held on the 25th inst. Interment at Fallsington.

A widow and one daughter, Miss Jane C. Moon, survive. Two brothers, William H. Moon and James M. Moon, also survive, both of them being nurserymen. G. C. W.

The Late H. C. W. Siebrecht.

As briefly announced in our last issue, Heinrich Christian Wilhelm Siebrecht, father of Henry A. and William H. Siebrecht and their sister, Mrs. Carl Meyer, died on Monday, Jan. 16th, at Astoria, Long Island City, where he had made his home with his son, Wm. H. Siebrecht, since the death of his wife 10 years ago.

Mr. Siebrecht was 92 years old, and had enjoyed good health during his entire long life, never knowing hardly

what sickness was. He passed away evidently without pain—simply slept away. He first came to this country on a visit to his two sons, who were then in business at the corner of Fifth avenue and 42nd street, in 1870, after which time he with his wife made nine round trips between here and their home in Germany, living there and here at intervals during many years, but finally made their home in old Astoria.

Mr. Siebrecht, besides being a wide-awake and progressive farmer, was also a manufacturer of damasks and fine linens, in which line he was considered quite an artist in his day in designing new patterns. This was before the time of machinery for weaving such goods. Notwithstanding his busy career in these lines, he found some time for horticulture, especially the raising and cultivation of fruit trees. He was quite an amateur nurseryman; always had a small nursery in his garden. Endowed with an extraordinary strong constitution and with the love of outdoor life and plain and regular living, no doubt these were material factors for his good health and long life. Besides three children, he is survived by 18 grandchildren and 19 great-grandchildren.

The funeral services were held at the home of his son, Wm. H. Siebrecht, Astoria, Wednesday, Jan. 18th, at 8 P. M. The interment was in St. Michael's Cemetery, Long Island, beside his wife in the family plot.

Moses F. Tiger.

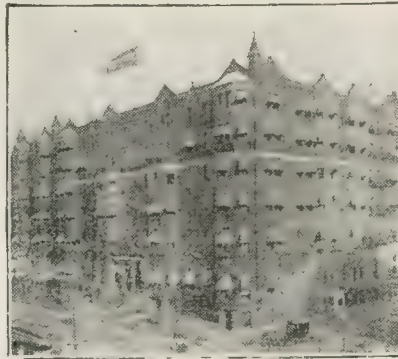
Moses F. Tiger died at his home on East Main street, Patchogue, L. I., N. Y., at the age of 60 years. He came to Long Island about thirty years ago and established a nursery at East Patchogue. He leaves a widow and one son.

William Amos, Jr.

Wm. Amos, Jr., of Woodside, Long Island, N. Y., died at St. John's Hospital on January 23, aged 40 years. He leaves a widow and five children.

Denver, Colo.—Claiming that sparks from an engine of the Denver Laramie Northwestern Railroad Co., set fire to property adjoining the Mapleton Nurseries and destroyed a large number of trees, W. H. Green has brought suit against the road to recover \$4,000 damages. J. M. Copeland and the Bank Investment Co. making similar allegations have also assigned their claims to Green.

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AND ORNAMENTAL HORTICULTURISTS.

Registration of Rose.

Public notice is hereby given that Jackson & Perkins Company, of Newark, Wayne County, New York, offer for registration the rose described below. Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Description.—Abelle Weber-Pate (Thalia X Mlle Eugenie Verdier) Lambert X Rugosa "America," (Harvard Gardens '94), Seedling from Herr Peter Lambert, Trier, (Treves), Germany. Citron-yellow, to deep orange center; dwarf polyantha; foliage and habit like Mrs. Cutbush.

Name, "Yellow Baby Rambler."
H. B. DORNER,
Secretary.

January 19, 1911.

Additional Appointments.

Committee on School Gardens.—Wm. R. Smith, Washington, D. C.; C. L. Seybold, Lanvale and Fremont avenues, Baltimore, Md.

State Vice-Presidents.—Colo., I. Edw. Johnson, Colorado Springs; Conn., Wallace R. Pierson, Cromwell; Fla., C. D. Mills, Jacksonville; Ky., H. G. Walker, Louisville; Me., William Miller, Bar Harbor; Neb., John J. Hess, Omaha; N. J., Ant. C. Zvolanek, Bound Brook; N. Y., west, S. A. Anderson, Buffalo; Tex., Eugene Corley, Dallas; Wis., J. E. Matthewson, Sheboygan.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular meeting of the Society was held in Pembroke Hall, Glen Cove, Jan. 11th. Winners for the day were: J. Elmslie, V. Cleres, J. McDonald. V. Cleres received honorable mention for tomatoes, J. Petroecia, cultural certificate for cauliflower; V. Cleres, cultural certificate for Winsor carnations. Julius Roehrs Co. sent some fine orchids and Mr. Muller gave us an instructive talk on their culture. Mr. E. Westlake was elected corresponding secretary and Henry Cliff member of the executive committee. Exhibits for next meeting will be carnations, 12 white, 12 pink, 12 red; also a special prize for a vase of 12 Alma Ward.

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We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

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LADY ROOSEVELT, bright pink.....Tr. Pkt., 20c; 4 Pkts., 60c; Oz., 3.00

Special prices to seedsmen. Contracts taken for 1911.

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NEWS NOTES.

Peru, Neb.—J. R. Duncan & Co. have leased land and will establish a nursery here.

San Mateo, Calif.—W. Peterson has taken over the business formerly carried on by Charles Fick.

Baltimore, Md.—A wind storm Jan. 9th blew down part of the green-houses of William Bester & Sons. Much glass was broken.

Akron, Ohio.—A farm near here has been purchased by Menna Yoder, who will build a large greenhouse and grow vegetables for market.

Boston.—A. Leuthy is displaying with pardonable pride the first specimens flowered in this country of the handsome new azalea which the raisers, Messrs. Hearens & Mille of Somers, have named for him. This azalea seems to be of a new type, having very thick, dark, waxy leaves resembling rhododendron foliage. The flower is deep pink, double and very large.

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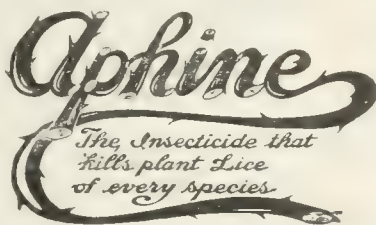
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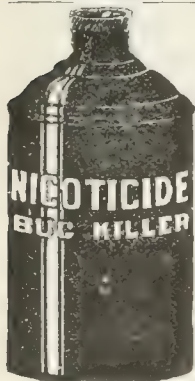
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When You Can Have Such As These, Grow No Other.

BURNETT'S "LIBERTY" TOMATO

For Main Crop and Exhibition Purposes

Liberty Tomato, introduced by us three years ago, still holds undisputed reputation as the best main crop and exhibition variety. The finest Tomato on the market to-day. An exceedingly heavy cropper and bears abundantly until very late in the season, in clusters of from ten to twelve perfect fruit. All exhibitors and growers should not fail to give Liberty a trial. Pkt. 20c., $\frac{1}{4}$ oz. 75c., oz. \$2.00.

Strong Pot-grown Plants of Liberty ready May 1st. Doz. 75c. 100, \$5.00.

BURNETTS "RED ENSIGN"

Is an Ideal New Forcing Tomato

Order This When Ordering "Liberty"

The fruit is rich crimson color, delicious flavor, and free from hard core. One of the earliest and most prolific, the fruit hanging in broad, handsome sprays; medium size and remarkably even. Pkt. 25c.

NEW PARSLEY

Burnett's Emerald Isle

Densely curled, dwarf and very compact. Statistics received last season show that Emerald Isle, planted at the same time and under the same conditions, germinated quicker than any other variety. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Burnett's New Cabbage "Bass Rock"

As a second early variety this Cabbage has no equal. It matures a few days later than Early Summer, is much larger and a sure header. The finest of the flat headed type grown either for Summer or Winter use. Pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

ONION

Ailsa Craig (Dobbies' Genuine)

For exhibition universally recognized as the ideal Onion. The skin pale straw, flesh white, very mild and quality superb. The bulbs, which are oval-shaped, often attain the phenomenal size of from 3 to 4 lbs. Pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.50

CAULIFLOWER

Snowball, "Burnett Selected Strain"

No other Cauliflower at the present time is so widely known as Snowball, having supplanted all other sorts for early and late planting. Heads pure snow white of the finest quality. Our strain of Snowball is recommended with the utmost confidence. Pkt. 25c., $\frac{1}{4}$ oz. \$1.25, oz. \$4.00.

NEW MUSKMELON

"Heytesbury King"

This Melon, introduced by us, is a seedling of English origin, for which we claim superiority over all other varieties. It is unsurpassed, both as a forcer and for growing in cold frames during the Summer. It is a very free setter, the fruit averaging in weight from eight to ten pounds each, with beautifully golden yellow finely netted skin, exceptionally thick, firm green flesh, the flavor and quality of which has never been equalled. We believe it will become one of the leading Melons for outdoor growing also. Pkt. 50c., $\frac{1}{4}$ oz. \$2.00.

ANTIRRHINUM NANUM GRANDIFLORUM

Six New Colors—In Original Packages

MAIZE QUEEN. Beautiful salmon maize, with yellow lip, dark green foliage. Pkt. 50c.

PINK QUEEN. A lovely pink, with yellow lip, large flower, very beautiful. Pkt. 50c.

DAINTY QUEEN. Beautiful salmon buff, with bright yellow lip; pleasing and attractive. Pkt. 35c.

ROSE QUEEN. Bright rosy pink, with citron lip, deepening at top. Pkt. 35c.

BUFF QUEEN. A lovely shade of rose, with deep canary lip, shaded orange. Pkt. 35c.

GOLDEN FAIRY. Beautiful shell pink, with delicate lemon-yellow blotched lip. Pkt. 35c.

Above collection of 6 varieties for \$2.00.

Sweet Peas of Recent English and American Introduction

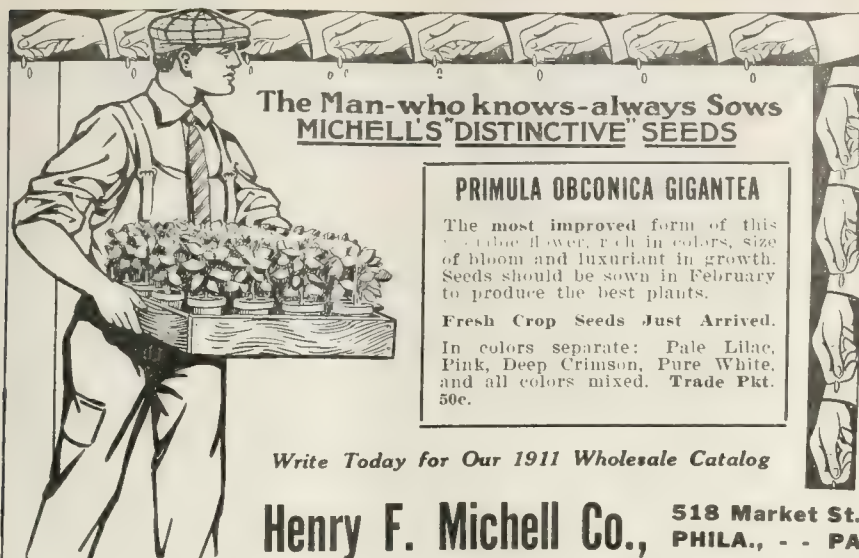
All the finest varieties including Colleen, Doris Burt, Earl Spencer, Ethel Roosevelt, Florence Nightingale, Martha Washington, Masterpiece, Mand Holmes, Mrs. Duncan, Picotee, Mrs. Hugh Dickson, Rose du Bon, Tuckwood, Giant-Flowered Hybrids, and all the lovely Spencers. Order from Catalogue.

Send for 1911 Catalogue—We Want to Have You Look It Through

Grow Burnett's
Reliable Seeds
and Win Prizes.

BURNETT BROS.

72 Cortlandt St.,
New York City



**The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS**

PRIMULA OBCONICA GIGANTEA

The most improved form of this carnation flower, rich in colors, size of bloom and luxuriant in growth. Seeds should be sown in February to produce the best plants.

Fresh Crop Seeds Just Arrived.

In colors separate: Pale Lilac, Pink, Deep Crimson, Pure White, and all colors mixed. Trade Pkt. 50c.

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co., 518 Market St., PHILA., - - PA.

Begonias and Gloxinias

We are in possession of a fine consignment of above bulbs

BEGONIAS

Per 100

SINGLE, white, red, rose, yellow,
orange\$2.50
MIXED, above colors..... 2.00
DOUBLE, separate colors..... 1.00

GLOXINIAS

Per 100

MIXED, all colors.....\$3.00
SEPARATE COLORS..... 3.50

WM. ELLIOTT & SONS, 42 Vesey St., New York

ROSES FOR 1911

DARK PINK KILLARNEY. A sport of Killarney, similar in habit, but more highly colored than Killarney at its best. Grafted plants only, from 2 1/4-inch pots: \$20.00 per 100, \$180.00 per 1000.

LADY CROMWELL. A shell pink sport of My Maryland that for pleasing color is unsurpassed. A wonderful producer, and a color that sells. Grafted plants only, from 2 1/4-inch pots: \$30.00 per 100, \$250.00 per 1000.

PRINCE DE BULGAIRE. The best prices for cut flowers should be the standard for judging Roses, and this Rose has been the money getter. Strong and vigorous in growth, and with beautiful shell pink bloom. Grafted, \$20.00 per 100, \$180.00 per 1000. Own Root, \$15.00 per 100, \$120.00 per 1000.

DOUBLE PINK KILLARNEY. Originating with Robert Scott and Sons, who supply us the wood for grafting. Stronger in growth than Killarney, and with at least ten more petals. Grafted stock only: \$30.00 per 100, \$250.00 per 1000.

MRS. AARON WARD. By far the most pleasing of the yellow Roses now on the market. A general favorite. Grafted, \$25.00 per 100, \$200.00 per 1000. Own Root, \$12.00 per 100, \$100.00 per 1000.

MELODY. We have reserved for our orders own-root plants of this choice novelty. No grafted plants. From 2 1/4-inch pots, \$30.00 per 100, \$250.00 per 1000.

RADIANCE. Strong in growth and making plenty of stem. Cerise pink in color. Grafted plants, \$18.00 per 100, \$150.00 per 1000. Own Root, \$10.00 per 100, \$90.00 per 1000.

A. N. PIERSON, Inc., - Cromwell, Conn.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

One day not so very long ago a man stood for fifteen minutes on a prominent corner in New York City, with a little stand, offering five-dollar gold pieces for sale, one to each buyer, at two dollars each. The crowd looked on with suspicious smiles, but did not buy. During the time there were three pieces sold. Five minutes after the sale was closed the crowd was enormous, for the report had spread that the coins were genuine. As a matter of fact, they were genuine and supplied by a rich man who was curious to know what faith the buying public had on an occasion of that kind. That's about the only instance we know of where a buyer was really offered in good faith, something for nothing, when something for nothing was not expected in return. Now there are a good many bulb buyers looking for just such snaps, something for nothing, but, gentlemen, they are very rare and when such opportunities do appear be sure the goods are genuine. **Horseshoe Brand Lily bulbs** are not cheap bulbs and are not offered at low prices because we can't afford it; but the bulbs are genuine and are well worth the money you pay.

Write far prices or catalog.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Cold Storage Giganteum on hand ready for delivery at any time during 1911.

Seed Trade

About Sweet Corn.

In our issue of two weeks ago we stated that information had come to hand indicating that the sweet-corn crop was liable to be seriously damaged owing to a considerable percentage of the late varieties molding. Since that time we have confirmed these reports and learn that owing to the very unfavorable weather conditions of the past three months and the fact that much of the corn when husked and cribbed was soft, has caused considerable of it to spoil and it looks as if the germination of the best would be below the average. Just what percentage has been ruined, we, of course, have no means of knowing, but undoubtedly it is quite large as there has been a very strong advance in prices by most of the seed-corn growers during the past few weeks. Doubtless the exact situation will become known now very shortly.

Peas Present and Future.

As was to have been expected, there has been much complaint from market gardeners and farmers who use peas in considerable quantities. In the first place, they object strongly to the advanced prices which seedsmen are compelled to ask, and then they are indignant because they cannot buy the quantities they want, even at these high prices, but they are gradually becoming educated to the real situation, and will doubtless adjust themselves to conditions as they have in other years. Seedsmen and canners are contracting future peas and beans, particularly the former, more liberally than seemed probable two months ago. As a matter of fact, we are informed that several of the leading growers are very nearly contracted to their limit on the leading standard varieties, both of the so-called canner's peas as well as of large podded varieties, which are generally grown by market gardeners and farmers for the city markets. The temptation to over-sell on the part of the growers is great, but it is bad policy, and it is earnestly hoped that they will not do this the coming year. Those who came late may have to return empty-handed as it is definitely settled by a few, at least, of the leading growers that they will cease writing business for future deliveries when they have reached a certain limit. If the tardy ones are caught napping once or twice, it may be a useful lesson to them. We believe no one ever loses anything by being the early bird.

The Josiah Young Failure.

It is expected that the appraisers of

the Josiah Young stock of seeds, agricultural implements and other goods carried by this firm will make a report in a few days. We learn from one of the appraisers that the inventory will probably show good assets at from \$10,000 to \$12,000, while the total liabilities are \$22,000 to \$24,000. On the face of it, it would seem possible for Mr. Young to make some arrangement with his creditors and continue, but from information we have, it looks very much as if he were "down and out" so far as the seed business is concerned. Whether anyone else will take his stand and continue the same line has not yet developed, but it is not probable that such will be the case.

Next Seed Trade Convention, Where?

Since the Executive Committee of the American Seed Trade Association met in Detroit and decided upon Milwaukee as the place for the next annual convention of the Association, it has become known that the Milwaukee hotels cannot take care of the seedsmen during the week scheduled for their convention. It seems that some other large convention is to meet there the same week and it is now up to the Executive Committee to select another place. While other cities have extended a cordial invitation to the seedsmen to hold their convention in their midst the coming summer, and while all are entitled to consideration, it seemed as if good old Boston has the highest claims on the seedsmen for next year. So far as we can learn, there has never been but one seedsmen's convention held in Boston since the organization of this Association. There certainly is no city more interesting than Boston and few more accessible, while the hospitality of the "Hub" is proverbial. We extend our best wishes to all of the competitors for the next seedsmen's convention, but would certainly urge the claim of Boston over all others.

Canners' Convention.

Those who contemplate attending the forthcoming Canners' Convention, February 6th to 10th, should lose no time in securing rooms, as the hotel capacity of the city will be severely taxed to care for the crowd which will no doubt be present this year. Don't delay if you want comfortable accommodations.

Personal.

Mr. and Mrs. W. Frank Jones of Hartford are at Summerville, S. C., having left home about the middle of January.

Mr. and Mrs. Jerome B. Rice and Jerome B. Rice, Jr., are now enjoying the balmy breezes of Florida. Mr. Rice found it advisable to go South for his health this winter, taking Mrs. Rice and his son with him. The latter expects to return home about the 1st of February, but it is not known when Mr. and Mrs. Rice will be back in Cambridge. We earnestly hope that they will find the health and strength which Mr. Rice so greatly needs for the heavy responsibility he continually carries.

Philadelphia Visitors.

Among our distinguished visitors this week was John C. Bodger of John Bodger & Sons Co., Los Angeles, Cali-

fornia. This firm makes a specialty of growing for the seed trade such items as flower seeds, tomatoes, beans, etc., that do well in California. They are now placing their contracts for 1912.

Fred H. Hunter, representing Waldo Rhonert, Gilroy, Cal., was also with us. This firm has a seed ranch of 1600 acres in the Santa Clara Valley, and makes a specialty of seed growing for the trade on contract orders. They handle everything in seeds that are especially successful under the California climate, and are recognized as one of the foremost in their line.

C. Kimberlin of J. M. Kimberlin Sons was a visitor; also C. B. Coe of D. M. Ferry & Co., Detroit, Mich.

Notes.

Columbus, Ga.—Wills & Thomas is a new seed firm which will conduct business at 1210 Broad street.

Minneapolis, Minn.—The P. A. L. Ferguson Seed Co. have purchased 1600 acres of ground in Gilman, Wis.

Mitchell, S. D.—The Dakota Improved Seed Co. was reorganized recently. W. S. Hill of Alexandria is president.

Baltimore, Md.—Wm. E. Quinn succeeds the late John L. Turner as secretary and treasurer of the Griffith & Turner Co.

John G. Slater, formerly with Jos. Breck & Sons, Boston, Mass., has taken a position with S. D. Woodruff & Sons, New York.

Kansas City, Mo.—The J. G. Peppard Seed Co. has been incorporated with a capital stock of \$100,000. Incorporators, J. G. Peppard, Julia L. Peppard and J. G. Peppard, Jr.

A new show window with brilliant electric lighting and hardwood floor is evidence of up-to-date enterprise at the "Buds" seed store on Barclay street, New York. Carl Gloeckner, president and manager is very popular with the gardeners.

ISBELL'S SEEDS

Our Michigan Grown Seeds are winning their way into public favor with astonishing rapidity. Here under our own supervision, we grow all our Beans and Peas, Cucumbers, Muskmelons, Tomatoes, Radish, Sweet Corn, besides many other things of less importance. Don't you think we can honestly claim to know the seeds we sell? We invite you to Try our Seeds and Methods just once and it will not be long until you have formed the habit of using Isbell's Seeds.

Send for our Elegant 104 page Seed Annual and also Wholesale Gardeners' List. FREE.

S. M. ISBELL & CO., Box 841, JACKSON, MICH.

Jack Frost Mats

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS,
42 Vesey St., New York

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

ARTHUR T. BODDINGTON
142 West 14th St., New York.

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.; Ounce, \$5.00
Finest Mixed	" " 60c.; " 4.00
Crimson	" " 60c.; " 4.00
Canary Yellow	" " 60c.; " 4.00
Dark Blue	" " 60c.; " 4.00
Deep Blood Red	" " 60c.; " 4.00
Apple Blossom	" " 60c.; " 4.00
Rose	" " 60c.; " 4.00
Light Blue	" " 60c.; " 4.00
Scarlet	" " 60c.; " 4.00

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

GERBERA

Jamesoni Magnifica

An Improved Form of the beautiful Scarlet Barberton Daisy, originating with A. Jaeneke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.

"Superbloom" Valley Pips

Special Forcing Grade, \$12.00 per 1000 in cases of 2000 pips, also all other flower seeds and bulbs for florists and gardeners.

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

ONION SEED—ONION SETS

We are extensive growers and dealers. Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE OHIO

For Sale

1000 lbs surplus Onion Seed 1910 crop

N. J. WESTERMAN

Contract Onion Seed Grower

BUECHEL, . . KY.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

FUCHSIAS

LITTLE BEAUTY
LORD BYRON
TENNER
E. RENAN
WHITE BEAUTY.

Strong 2½-in. pots
\$1.60 per 100

SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. *Wholesale list now ready.*

S. D. WOODRUFF & SONS,

82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.

102-110 W. Kinzie St. CHICAGO

Established 1820

Thorburn's Seeds

For Florists and Market Gardeners.

All highest grade.

Catalogue mailed on application.

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb bag \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct 27, 1910, writes as follows: — I want to state that your three grades of Poultry Food, Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to-day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.

BALTIMORE, - MD.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CAULIFLOWER CABBAGE

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MANGOLD, SWEDE, TURNIP

LILY OF THE VALLEY PIPS

HJALMAR HARTMANN & CO.,

COPENHAGEN, DENMARK.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

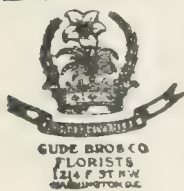
We ship to all points in Illinois and Iowa.

Phones: Aldine 889. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.
Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Kansas City, Kan.—Mrs. T. A. Moseley, 645 Minnesota avenue, has purchased the stock of J. H. Ephraimson.

New Brunswick, N. J.—Frank Clark, the Trenton florist, opened a new flower store here at 86 Church street, January 21st. His brother John who has been associated with Mr. Clark for the past 10 years in Trenton will have charge. There is an excellent opening in New Brunswick for a progressive and pushing concern and the new enterprise ought to prove a big success.

Dec. 27th, 1910.
The undersigned reads HORTICULTURE regularly, believing it well worth subscribing for and paying for. We feel the warmest interest in your paper, and a sincere admiration for its editorial department.

Yours truly, J. P. C.

STEAMER DEPARTURES

American.

Oceanic, N. Y.-S'hampton...Feb. 4

Atlantic Transport.

Minnetonka, N. Y.-London...Jan. 28

Cunard.

Manitania, N. Y.-Liverpool...Feb. 1

French.

La Savoie, N. Y.-Havre...Feb. 2

Hamburg American.

K. A. Victoria, N. Y.-Hamburg...Feb. 1

Holland-American.

Statendam, N. Y.-Rotterdam...Jan. 31

Ryndam, N. Y.-Rotterdam...Feb. 7

North German Lloyd.

P. F. Wilhelm, N. Y.-Br'm'n...Jan. 31

K. Albert, N. Y.-Medit'r'n...Feb. 4

Red Star.

Vaderland, N. Y.-Antwerp...Feb. 1

White Star.

Baltic, N. Y.-Liverpool...Jan. 28

Oceanic, N. Y.-S'hampton...Feb. 4

Romanic, Boston-Medit'r'n...Feb. 4

ST. LOUIS NOTES.

Guy V. Reyburn, who represents the new firm of A. Henderson Co., of Chicago, of which he is a member, spent a few days in this city last week. He says the new firm was a big success from the start.

John Quinn, who for many years was in business on Grand avenue, St. Louis, closed his doors and turned the keys to the W. C. Smith Wholesale Floral Co., for them to sell the place. Mr. Quinn departed last week with his family for California where they will make their future home.

Grimm & Gorley have a novel way of advertising in their show windows at their Washington avenue store—two young ladies as bride and bridesmaid in full dress with bouquets of orchids. Large crowds congregated in front of their windows all day long and the affair was quite a big business success.

ALEX. McCONNELL

671 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1532-1533 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dards Flor

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The
FLORIST

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

W. R. GIBSON, Mgr.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.

Perfect Goods For Particular Florists

THE FOLLOWING ARE A FEW SUGGESTIONS ONLY

from an immense stock and unprecedented variety that we list

Plant Baskets, Plant Pot Covers, Fern Pot Covers. all sizes and all grades, all descriptions. In any basket ordered from us we can put zinc lining, as we manufacture these ourselves.

Bridal Baskets, Bridal Bouquet Holders, Debutante Bouquet Holders and Paper Bouquet Holders.

Chiffons, all colors and sizes. Waterproof and other exclusive styles. **Wax and Artificial Flowers. Waterproof Paper Pot Covers,** for all size pots, cheap and desirable, in any color. Our No. 3000 Crepe Pot Covers, to fit 3 to 5-inch pot, in all colors, \$1.00 per 100. **Waterproof Crepe Paper in Roll.**

Tin Foil, plain and colored; also a heavy Tin Foil for lining baskets. **Barks,** in all kinds, Birch, Cork and Cedar. **Natural Prepared Ferns,** the greatest variety in the United States. **Sphagnum Moss.**

Artificial Leaves, all styles, white and green. **Metallic Designs,** we are the manufacturers of these goods and can make any design you want. **Magnolia Leaves,** green and brown. **Beech Branches,** prepared, in all colors. **Immortelles,** in all colors.

Wheat Sheaves, our unexcelled brand in flat, standing or open. **Flexible Cycas Leaves.** Don't forget our **Imperial Chinaware,** and **Green Tone Pottery,** in all shapes. When you want real novelties, consult us.

BEAUTIFUL EASTER NOVELTIES NOW ARRIVING

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

PERSONAL.

We regret to learn that C. W. Ward of Queens, N. Y., is quite ill in New Orleans, La.

Phil. Kessler, the New York wholesale florist has just returned from a recreation trip to Bermuda.

Harry Bayersdorfer of Philadelphia is looking ahead with characteristic complacency to his silver wedding anniversary which will come on February 24 next. Although Mr. Bayersdorfer is still a young man he has been in

the florists' supply business for 38 years.

H. N. de Thestrup, foreman for A. M. Davenport, Watertown, Mass., has resigned his position and gives up his duties Feb. 4th.

Frank Millang, of New York, is doing jury duty, but his place at the salesroom in the Coogan building is efficiently filled by Frank, Jr.

Arthur E. Thatcher, of the Arnold Arboretum, returned on Wednesday, January 25 from his visit to Merrie England, well pleased with his six weeks' vacation.

Chales Plumb, who is in charge of the L. C. Weir estate at Locust Valley, N. Y., has been visiting his uncle, William Plumb, who is superintending the improvements at Dr. W. H. Baltzell's place in South Natick, Mass.

Cincinnati—Mrs. Henry Glins left Tuesday, Jan. 17th, for a two weeks' visit to her sister in Boston, Mass. Thos. Windram returned Saturday from Leesburg, Fla., where he has been spending the past two weeks.

Mr. Philip Breitmeyer, of Detroit, made one of his flying trips to New York. By the end of this week he in company with several local business men will return to New York and take a boat for Cuba next Saturday to inspect some plantations owned by them in that garden spot.

Visitor in New York: H. Cathcart, Newburgh, N. Y.

Visitors in Boston: Mr. and Mrs. A. C. Mather, Rockland, Me.

Visitors in Cincinnati: Lester F. Benson and family, Indianapolis, Ind.; Harry Nicholson, of The Chicago Carnation Co., Chicago, Ill.; Paul Berko-

witz, of H. Bayersdorfer & Co., Philadelphia, Pa.

NEW FLOWER STORES.

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Crawford, N. Y.—E. T. Durnklee, Eastman street.

Washington, D. C.—C. J. Sanders, 1411 Yore street.

Toronto, Ont., Can.—Fretwell & Atkinson, College street.

New Kensington, Pa.—McRae & Jenkinson Co., Frankstown avenue.

"FLOWERS BY TELEGRAPH."

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Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main st.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 913 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

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New York—Dards, N. E. cor. 44th St. and Madison Ave.

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it in HORTICULTURE."**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

ROSES	CHICAGO		WIN CITIES		PHILA.		BOSTON	
	Jan. 24	Jan. 24	Jan. 24	Jan. 24	Jan. 24	Jan. 24	Jan. 26	Jan. 26
Ara. Beauty, Fancy and Special...	50.00	to 60.00	40.00	to 50.00	60.00	to 75.00	50.00	to 75.00
Extra	40.00	to 50.00	10.00	to 40.00	40.00	to 50.00	30.00	to 40.00
No. 1	25.00	to 35.00	15.00	to 30.00	20.00	to 25.00	15.00	to 25.00
Lower grades	10.00	to 20.00	6.00	to 15.00	8.00	to 15.00	6.00	to 8.00
Bride, 'Maid, F. & S.	10.00	to 12.00	8.00	to 10.00	1.00	to 12.00	8.00	to 12.00
Lower grades	5.00	to 7.00	4.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Richmond Chateaux, Fancy & Special	10.00	to 12.00	8.00	to 10.00	15.00	to 20.00	15.00	to 25.00
Lower grades	6.00	to 8.00	5.00	to 8.00	6.00	to 10.00	4.00	to 10.00
Killarney, My Maryland, Fan & Spl	10.00	to 12.00	8.00	to 12.00	12.00	to 15.00	10.00	to 16.00
Low. grades	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00	4.00	to 8.00
CARNATIONS, First Quality ..	4.00	to 5.00	3.00	to 4.00	4.00	to 6.00	3.00	to 4.00
Ordinary	2.50	to 3.50	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas	40.00	to 60.00	60.00	to 75.00	40.00	to 50.00	30.00	to 40.00
Cypripediums	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Lilies, Longiflorum	15.00	to 18.00	12.50	to 15.00	10.50	to 12.50	8.00	to 10.00
Lily of the valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets	1.00	to 1.00	75	to 1.25	50	to 1.00	30	to .50
Mignonette	3.00	to 8.00	3.00	to 7.00	4.00	to 6.00	2.00	to 8.00
Lilac, per bunch	1.00	to 1.00	1.00	to 1.00	50	to 1.00	1.00	to .75
Tulips	3.00	to 5.00	2.00	to 3.50	3.00	to 4.00	1.00	to 3.00
Roman Hyacinths, Paper Whites ..	3.00	to 4.00	2.00	to 3.50	3.00	to 4.00	1.00	to 1.50
Daff. dis.	3.00	to 5.00	1.00	to 1.00	3.00	to 4.00	1.50	to 3.00
Daisies	1.00	to 2.00	1.00	to 1.00	1.50	to 3.00	1.00	to 1.00
Snapdragon	1.00	to 1.00	1.00	to 1.00	10.00	to 12.00	6.00	to 8.00
Sweet Peas .....	.75	to 1.50	1.00	to 1.25	.50	to 1.00	.50	to 1.00
Gardenias	40.00	to 60.00	25.00	to 35.00	15.00	to 25.00	25.00	to 35.00
Adiantum .....	.75	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.25
Smilax	10.00	to 15.00	15.00	to 20.00	12.50	to 15.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 60.00	50.00	to 75.00	50.00	to 50.00	50.00	to 50.00
" & Sown (each)	2.00	to 40.00	30.00	to 40.00	35.00	to 40.00	35.00	to 40.00

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Flower Market Reports

BOSTON Trade is booming. The week has been a lively one, satisfactory to everybody except the bargain hunter. In most places business is actually rushing. Roses are still scarce and not a few of the rose growers are debating with themselves as to the wisdom of concentrating all their efforts on getting their crop in on time for Christmas. And this is a good sign! Bulb stock is increasing in supply and improving in quality. Violets go reluctantly and seem to be losing caste. Gardenias sell well. Cattleyas overdone for the moment. Carnations elegant in quality and normal as to demand.

BUFFALO Weather conditions have been bad in this section, one day rain, then zero weather with a spring day following, which has caused cut flowers to come in in an undependable way. Carnations are not to plentiful and some days not enough can be had, especially the light colors which have been in heavy demand and have taken the place of roses, on which this market has been short, especially in the short grades of white and pink. Beauties have also shortened in supply and in many cases Richmond have filled out. Giganteum, Harrisii and magnificum lilies and callas have had a good call; also stevia, sweet peas, freesia, Roman hyacinths and narcissi. Yellow Prince and La Reine tulips, together with trumpet major and double Von

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURGH	
ROSES	Jan. 24		Jan. 10		Jan. 24		Jan. 24	
Am. Beauty, Fan, and Sp.	25.00	to 50.00	30.00	to 40.00	30.00	to 50.00	47.00	to 50.00
" Extra	10.00	to 15.00	20.00	to 30.00	15.00	to 20.00	20.00	to 30.00
" No. 1.....	4.00	to 8.00	15.00	to 20.00	10.00	to 15.00	10.00	to 15.00
" Lower grades.....	.....	.....	5.00	to 12.00	5.00	to 7.00	5.00	to 8.00
Bride, 'Maid, F. & S.	6.00	to 8.00	10.00	to 15.00	10.00	to 12.00	6.00	to 8.00
" Low gr.....	4.00	to 5.00	4.00	to 10.00	6.00	to 8.00	3.00	to 4.00
Richmond, Chateau, Fancy & Special	6.00	to 8.00	10.00	to 18.00	.....	to 15.00	8.00	to 12.00
" Lower Grades..	3.00	to 5.00	4.00	to 10.00	6.00	to 10.00	6.00	to 10.00
Killarney, My Maryland, Fan, & Spl.	6.00	to 8.00	8.00	to 12.00	10.00	to 15.00	8.00	to 12.00
" " Low Grades	3.00	to 5.00	4.00	to 8.00	6.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality								
" Ordinary	4.00	to 5.00	3.00	to 4.00	4.00	to 5.00	.....	to 4.00
"	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00	1.50	to 3.00
MISCELLANEOUS								
Cattleyas	5.00	to 60.00	50.00	to 60.00	50.00	to 60.00	.....	to 75.00
Cypripediums.....	.....	.....	15.00	to 25.00	10.00	to 15.00	.....	to 15.00
Lilies, Longiflorum.....	10.00	to 12.50	12.50	to 15.00	12.00	to 15.00	.....	to 12.00
Lily of the Valley.....	.....	4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets.....	.....	75	1.00	to 1.50	.....	to 7	.....	to 1.00
Mignonette.....	6.00	to 8.00	2.00	to 4.00	1.00	to 4.00	.....	to 6.00
Lilac, per bunch.....	.....	1.50	.....	to 1.50	.....	to 1.50	.....	to 1.50
Tulips.....	4.00	to 5.00	4.00	to 5.00	3.00	to 4.00	2.00	to 4.00
Roman Hyacinths, Paper Whites ..	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Daffodils.....	3.00	to 5.00	.....	to 4.00	4.00	to 5.00	5.00	to 6.00
Daistics.....	50	to 1.00	1.00	to 2.00	.....	to 1.00	1.00	to 3.00
Snaptagon.....	3.00	to 5.00	4.00	to 8.00	.....	to 6.00	6.00	to 8.00
Sweet Peas.....	50	to 1.00	1.00	to 2.00	.....	to 1.00	50	to 1.00
Gardenias.....	.....	.....	4.00	to 50.00	40.00	to 50.00	.....	to 30.00
Adiantum.....	.....	1.00	1.00	to 1.50	.....	to 1.50	.....	to 1.50
Smilax.....	10.00	to 12.50	15.00	to 20.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	40.00	to 50.00	20.00	to 30.00	40.00	to 60.00	20.00	to 50.00
" " & Spren (100 bchs.)	.....	25.00	20.00	to 30.00	15.00	to 50.00	30.00	to 50.00

Sion have been coming in more plentiful each day and have sold out daily. Lily of the valley is a little more active than the week previous. In the violet line, one day there is a clean up and then a quantity carried over awaiting the bargain man.

CHICAGO A dearth of flowers is the keynote to the condition of the flower market today. The shortage is along all lines and those who have a good crop

of bulbous flowers to place on sale at this time will have something with which to balance accounts of former years in this line. The market has plenty of small and imperfect tulips but there are also many good-sized and perfect blooms, especially in white, which help out the carnation situation. Jonquils and narcissi are plentiful enough to help wherever their color will permit. Callas, mignonette, Ro-

(Continued on page 119)

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Jan. 21 1911		First Half of Week beginning Jan. 23 1911	
American Beauty, Fancy and Special.....	50.00	to 75.00	45.00	to 60.00
" " Extra.....	20.00	to 30.00	20.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	4.00	to 6.00
Bride, "Fald, Fancy and Special.....	8.00	to 12.00	6.00	to 10.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 5.00
Richmond, Chatenay, Fancy and Special.....	10.00	to 15.00	6.00	to 12.00
" " Lower Grades.....	4.00	to 6.00	3.00	to 4.00
Killarney, My Maryland, Fancy and Special.....	8.00	to 12.00	6.00	to 10.00
" " Lower Grades.....	4.00	to 6.00	2.00	to 6.00
Carnations, First Quality.....	3.00	to 4.00	3.00	to 4.00
" " Ordinary.....	4.00	to 3.00	2.00	to 3.00

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Tel. 4501 Main

Flower Market Reports

(Continued from page 117)

man hyacinths, freesia, lily of the valley and violets are all seen in splendid quality and do their full share in tiding the trade over the time when roses and carnations are at a premium. The retail trade is feeling the effect of the higher prices and especially is their trade lessened by the shortage in roses. Many of the largest stores handle very few carnations and the volume of business is greatly decreased when there is a general shortage in roses as at present. It is fortunate that plenty of green of good quality is being cut. A week of sunshine would be most welcome to the growers.

There has been a CINCINNATI complete reversal of conditions in the cut flower market the past week. Stock, while fairly plentiful the previous week, is now on the short side. This was particularly manifest in the rose market, receipts being steadily on the down grade. There was an active demand for short and medium grades and everything in the rose line moved off quickly. The market on Beauties is just the reverse, a liberal supply coming in and all orders for these are being filled in full. Carnations have felt the effects of the dark weather. A comparison with last season shows that ordinary grades are bringing from 50c. to \$1.00 per hundred more now than then, but the supply is far below what we usually have in the end of January. The supply of both single and double violets is abundant with prices very low for this season of the year. The shortage of roses and carnations has apparently helped the sale of both paper whites and Roman hyacinths, the glut of these being over for the present. Lily of the valley is abundant and moves slowly. There is a noticeable absence of tulips and jonquils in this market, with the call growing stronger as spring draws near. There is a slight let-up in the supply of sweet peas with no advance in price. Freesia has been in for the past couple of weeks, but not yet so abundant that it cuts much figure. There is moderate supply and a good demand for Easter lilies and callas.

This market shows a NEW YORK decided easing up from the stringent conditions which, in common with other markets, prevailed here a few days ago and made it impossible to fill urgent calls for roses, from all sides, including even Boston. Soft

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Jan. 21 1910		First Half of Week beginning Jan. 23 1911	
Cattleyas.....	20.00	to 40.00	25.00	to 40.00
Cypripediums.....	8.00	to 12.00	8.00	to 10.00
Lilacs, Longiflorum.....	8.00	to 12.00	8.00	to 12.00
Lily of the valley.....	2.00	to 3.00	2.00	to 3.00
Violets.....	.30	to .50	.25	to .50
Mignonette.....	2.00	to 8.00	2.00	to 8.00
Lilac, per bunch.....	.35	to .75	.35	to .75
Tulips.....	3.00	to 4.00	3.00	to 4.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snapdragon.....	3.00	to 6.00	4.00	to 6.00
Sweet Peas (per 100 bunches).....	4.00	to 10.00	4.00	to 12.00
Gardenias.....	10.00	to 30.00	10.00	to 30.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	8.00	to 12.00	6.00	to 12.00
Asparagus Plumosus, strings.....	25.00	to 30.00	20.00	to 30.00
" " & Spre. (too bchs).....	15.00	to 25.00	15.00	to 35.00

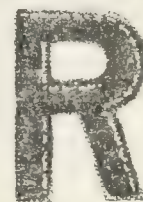
spring-like weather has prevailed since Monday and an April haze is in the air but the punishment for all this is sure to come later. The market is well supplied with carnations, of which there are at times more than are needed. Violets are "blue" in more respects than mere color and selling at lower figures than heretofore so early in the season. Cattleyas have been coming in faster than needed, with the inevitable result of a serious break in values but little can be said in praise of the quality, blooms as a rule running very small. Of tulips there is an increasing supply, as of all other bulbous material, and the quality is growing better from day to day. Frezias are excellent but in very moderate supply as yet. A spring aspect already reigns in the florists' show windows, with forsythias, almonds, lilacs, crabapples and other forced spring-flowering shrubs in beautiful array.

The market last week ST. LOUIS was about as short as any we have had and it seemed as though every one in the retail business had plenty to do, judging by the rush for flowers each morning, and if they had no advance orders they got nothing. The wholesalers say they never saw such a scarcity in stock. Anything that looked half-way good was picked up and at stiff prices at that. Roses all went up in price and to get any quantities was out of the question. Short stock brought from \$6 to \$8 per 100, Carnations \$4 to \$6, supply good and demand cleans them up early each day. Other stock such as sweet peas, Roman hyacinths, paper whites and lily of the valley sold well all week. The wholesalers say they are looking for a larger supply this week as bright weather prevails.

(Continued on page 125)

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
USE BY THE



Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

KRICK'S FLORIST NOVELTIES



Manufacturer and Patentee of the Perfect Adjustable Pot, Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked

1164-66 Greene Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000....\$1.75; 50,000....\$7.50. Sample free.
For sale by dealers

SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Adiantum cuneatum and *Farleyense*, large clumps from bench, \$8.00 per 100; \$75.00 per 1000. Cash, please. Albert F. Amling Co., Maywood, Ill.

AGERATUMS

Ageratum Stella Gurney R. C., 50c 100; \$4.00 1000. Cash.

J. P. Cannata, Mt. Freedom, N. J.

Ageratum Stella Gurney, 2½ inch, 2c; rooted cuttings, 50c. 100; 10 per cent. discount till Feb. 10. No better stock can be produced. Cash. C. H. Jacobs, Westfield, Mass.

ALTERNANTHERAS

Alternanthera Brilliantissima and *Aurea Nana*, rooted cuttings, 60c. per 100; \$5.00 per 1000. Leonard Long, Oakhurst, N. J.

ALYSSUM

Double giant alyssum, 70c per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

AMPELOPSIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

ANTIRRHINUMS

Sutton & Sons, Reading, England.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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ASPARAGUS FOR FORCING

Will force in four weeks the most delicious Asparagus. Can be forced under greenhouse benches or in cellars. Customers were delighted with their success last season and are doubling their orders. Mammoth roots, per dozen, \$1.00, postpaid; \$4.00 per 100, \$35.00 per 1,000. Write for our Market Gardeners' wholesale catalogue just issued. Johnson Seed Co., 217 Market St., Philadelphia, Pa.

ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.
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FOR SALE Aster Seed, saved from Vick's Seed Express (early) Upright White (late) and Mikado Pink, 50 cents per ounce while it lasts. M. D. Williams, Middleport, N. Y.

AZALEAS

Henry A. Dreer, Philadelphia, Pa.
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John McKenzie, North Cambridge, Mass.
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BAY TREES.

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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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BEDDING AND GREENHOUSE STOCK.

Dreer's mixed double Petunias, Princess Alice Stock, Snapdragon, mixed Coleus, Lobelia Kathleen Maillard, 2 in., \$2.00, 100; 3 in. double Alyssum, \$4.00, 100; Pelargoniums, Rose Geraniums, 2 in., \$4.50, 100; 4 in., \$10.00, 100; Geraniums R. C., \$11.50, 1000; \$1.25, 100; 2 in., \$2.00, 100; \$18.00, 1000; Poitevine, Casteline R. C., \$1.40, 100; \$13.00, 1000; English Ivy R. C., \$1.00, 100; unrooted, 70c., 100; \$6.50, 1000. Stock plants, Chrysanthemums, \$3.00, 100; Stock Poinsettias, \$6.00, 100; 75c., doz. Cash. Port Allegany Greenhouses, Port Allegany, Pennsylvania.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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BEGONIAS

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A. Leuthy & Co., Roslindale, Mass.
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John McKenzie, North Cambridge, Mass.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
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BULBS AND TUBERS—Continued

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.

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The W. W. Barnard Co., Chicago, Ill.

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John Lewis Childs, Floral Park, N. Y.
Spring Bulbs.

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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.

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CACTI

Cacti Free. The most wonderful plant grown. I live where they grow and make a specialty of collecting for dealers at low wholesale rates—\$3.00 per 100 up. A fine \$5.00 specimen given free with first order for 100. Price list and large pkt. of Cacti seeds for 5 cts. in stamps. Order at once. Mrs. S. L. Pattison, Wholesale and Retail Dealer in Cacti, Mesilla Park, New Mexico.

CANNAS

Wood Bros., Fishkill, N. Y.

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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

One million cannas, \$7.00 per 1000 and upwards. Also dahlias, gladioli, irises, etc. Send for new list, over 100 kinds. Shell-road Greenhouses, Grange, Baltimore, Md.

Cannas, 2 to 3 eyes, dry roots. Louisiana, Pennsylvania, \$1.25 per 100. Austria, Italia, 60c. per 100. Cash. Wm. Bierstadt & Son, Springfield, Ill.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Two New Carnations.

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Chicago Carnation Co., Joliet, Ill.

Carnation Washington.

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Harlowarden Greenhouses, Greenport, N. Y.

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Shepard's Garden Carnation Co., Lowell, Mass.

Rooted Cuttings.

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S. J. Reuter & Son, Inc., Westerly, R. I.
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CARNATIONS, ROOTED CUTTINGS.

	Per 100	Per 1000
Enchantress	\$2.00	\$15.00
Enchantress, rose pink	2.00	15.00
Enchantress, white	2.50	20.00
Beacon Red	2.00	17.50

No. 1 stock, February delivery.

Wm. Murphy, 311 Main St., Cincinnati, O.

Sangamo carnation cuttings, \$6.00 per 100, \$50.00 per 1000, or will exchange for Pink Delight or Dorothy Gordon cuttings.

Rolf Zetlitz, Lima, Ohio.

Carnations, rooted cuttings, Light Pink Enchantress and White Perfection, \$2.00 per 100. Wm. Schwan & Son, Fredonia, N. Y.

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CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemum Stock Plants. Early Snow, Kalb, Poehlmann, Eaton, Nounin, Baby Margaret, Gloria, Duckham, M. F. Plant, Leo (Pink Pompon), Cullingfordii, Georgianna Pitcher, Nagoya, etc., \$3.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 60c. per doz., \$4.00 per 100; Mrs. Wm. Wincott (White) and Mrs. A. R. Peacock (Pink), 1910 Novelties, \$1.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

CHRYSANTHEMUM STOCK PLANTS, all ready now. **OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA**, \$3.00 per 100; \$20.00 per 1000 assorted. **POEHLMANN, GOLDEN EAGLE, CHADWICK** and **YANOMA** \$4.00 per 100; \$30.00 per 1000. **PRES. TAFT**, white, **MRS. W. E. KELLEY**, yellow, both novelties last year, \$5.00 per 100. **I. M. RAYNER**, Greenport, N. Y.

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash, J. W. Miller, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$3.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

Coleus, a grand collection, named, 70c. per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

Coleus, rooted cuttings, 17 varieties, \$4.00 per 1000, 60c. per 100 by mail, cash. C. Schulze & Son, 261-275 Lawrence St., Flushing, N. Y.

Coleus, rooted cuttings, \$4.00 per 1000. Fowlerville Floral Co., Flushing, N. Y.

CUPHEAS

Cuphea (cigar plant), \$1.00 per 100; \$8.00 per 1000. We pay express charges on all rooted cuttings. Satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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John McKenzie, North Cambridge, Mass.
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DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

DAHLIAS—Continued

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

Dahlias and Gladioli. All the best florists' varieties. W. K. Fletcher, R. 5, Des Moines, Iowa.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Eastern Nurseries, Jamaica Plain, Mass.
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T. C. Thurlow's Sons, West Newbury, Mass.
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FERNS

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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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A. N. Pierson, Cromwell, Conn.
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3000 Boston and Piersoni Ferns, fine, strong, healthy plants; extra heavy, long fronds; from bench, 5-in., 25c.; 6-in., 35c.; 7 and 8-in., 50c. to 75c. Finest plants in state for making up. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Neph. Whitman and Scotti from 2½ inch pots, \$3.00 per 100. Runners from bench, \$15.00 per 1000. Scholzeil, 2½ inch, \$5.00 per 100. Leonard Long, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FEVERFEW

Feverfew Little Gem, the best, \$1.25 per 100, \$10.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.
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N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.
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Rice Bros., Minneapolis, Minn.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hillinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by E. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.
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Rice Bros., 115 N. 6th St., Minneapolis, Minn.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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B. E. Wadsworth, Danville, Ill.
Rooted Cuttings.

For page see List of Advertisers.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poltevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums from 2½ in. pots, S. A. Nutt \$18.00, Ricard \$20.00 per 1000; large well grown plants, satisfaction guaranteed. Stock plants, \$5.00 per 100. Quaker Hill, Nurseries, Monroe, N. Y.

Geraniums out of 2 and 2½ inch pots, strong, Double Grant, S. A. Nutt, La Favorite, Renault, Double Salmon, \$2.00 per 100. A. Ricard, Madam Barney and Thos. Meehan, \$2.50 per 100. Wm. Schwan & Son, Fredonia, N. Y.

Geraniums. S. A. Nutt, Beaute Poltevine, A. Ricard and Buchner, white, 2½-in. pots, \$2.00 per 100; \$18.00 per 1000. Nice, stocky plants, ready for shift. Cash with order. E. V. B. Felthousen, 184 Van Frankan Ave., Schenectady, N. Y.

10,000 extra strong rooted cuttings now ready; single Grant, dazzling scarlet, most free flowering bedder, \$7.00 per 1000 to close out. Cash. N. A. Corlin, Elberon, N. J.

In writing to Advertisers kindly mention Horticulture

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Gladlioli, new forcing Pink Beauty, great early bloomer, May character, only pink that throws several flowering spikes, \$2.50, 100; \$20.00, 1000. Extra size, \$3.00, 100; \$25.00, 1000. Cash. Stevens Gladlioli Co., Growers, Saginaw W. S., Mich.

America gladioli bulbs ready for shipment. Write for prices. B. B. Currier, Seabright, Cal.

GLASS

Boston Plate & Window Glass Co., Boston
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York
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A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.
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Chas. H. Dodd, Jersey City, N. J.
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D. Higo, Boston, Mass.
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GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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Rice Bros., Minneapolis, Minn.
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HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Hitchings & Co., 1170 Broadway, N. Y.

HELIOTROPES.

Heliotropes, extra fine stock, for immediate delivery, 2 in., \$2.00 per 100. Cash. W. H. Rosenbauer, R. D. 3, Sewickley, Pa.

Heliotropes, 2 1/2 inch, 2 1/2 c.; rooted cuttings, 75c. per 100; 10 per cent. discount given until Feb. 10. No better stock can be grown. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicoticide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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German and Japanese Iris.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

English Ivy, large leaves, 3 in. pots, fine plants, \$5.00 per 100; \$45.00 per 1000. Wm. Schwan & Son, Fredonia, N. Y.

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

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Horse Shoe Brand.
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LOBELIAS

Lobelia Kathleen Mallard, the new double. Rooted cuttings taken in September and kept growing on in soil, large plants for 2 or 3-in. pots, 75c 100, by mail; \$5.00 1000, express. Chas. Whitton, 29 York St., Utica, N. Y.

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New and Rare Shrubs and Vines.
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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

300 Aristolochia Siphon, 3 yr. \$15.00; 1500
White Snowberry, 2 1/2-3 1/2, \$6.00; 600 Ribes
alpina, 20-24 in., \$5.00; 300 Crataegus oxy-
cantha, 2 1/2-3 1/2, \$6.00; 300 Crataegus oxy-
cantha, 2-3, \$5.00. Send for additional
surplus list. Henry Lake Sons Co., Black
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Jullus Roehrs Co., Rutherford, N. J.
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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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Joseph Hancock, Wyncote, Pa.
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PANSY PLANTS

Pansy plants. Small seedlings from seedbed, of finest strains, in mixture, just the thing for transplanting and growing on; by mail, 25c. per 100. Russell Bros., R. R. 4, Syracuse, N. Y.

PANSY SEED

Skidelsky & Irwin, Philadelphia, Pa.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PELARGONIUMS

Pelargoniums. Finest varieties, excellent stock, 2½ in., \$4.50 per 100. The Corry Floral Co., Corry, Pa.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barborton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan B. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

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Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

RASPBERRY PLANTS

J. T. Lovett, Little Silver, N. J.
Everbearing Raspberry.

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RHUBARB FOR FORCING

Mammoth Clumps, per dozen, \$1.75; per 100, \$10.00. Special price on quantity. Write for Market Gardeners' wholesale catalogue just issued. Johnson Seed Co., 217 Market St., Philadelphia, Pa.

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A Tomato early in North Dakota ought to be early anywhere. Fish's North Dakota Tomato has, in six years' careful breeding in this climate, increased three weeks in earliness. Good size, fine quality, prolific. 100 seeds, 25 cents. S. E. Fish, Valley City, N. D.

Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

In writing to Advertisers kindly mention Horticulture

SMILAX

Smilax seedlings, 50c. per 100; \$1.00 per 1000. Cash only. John Bauscher, Jr., Freeport, Ill.

SPIREA

Spicea Gladstone for forcing, excellent stock, \$1.15 per doz.; \$8.75 per 100. Currie Bros. Co., 312 Broadway. Milwaukee, Wis.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinca variegata rooted cuttings, \$1.00 per 100. Russell Bros., R. F. D. No. 4, Syracuse, N. Y.

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FIRE RECORD.

The greenhouses of Joseph Fuller at Fitchburg, Mass., were damaged by fire last Thursday.

Manheim, Pa.—The Monroe Hostetter Greenhouse was damaged by fire recently; loss about \$500.

Minneapolis, Minn.—W. P. Eldridge, florist, 42 Fifth street, South, received damage recently in a fire which caused an aggregate loss of from \$15,000 to \$20,000.

Washington, D. C.—The store of F. H. Kramer, 916 F street, was damaged on Saturday last to the extent of \$1,000. The fire started under the stairway and spread quite rapidly in that portion of the store, owing to the fact that a large number of wax flowers were there and they, of course, ignited rapidly and served to feed the flames.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building
28 STATE STREET - - - BOSTON

Telephone, Main 58.

Cattle Manure in Bags Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
Union Stock Yards Chicago

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

Make the Farm Pay

Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H A. Springfield, Mass.

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ORCHID GROWER WANTED—Must be a good potter and worker. Good situation for the right man. Send references to A. Pericat, Orchid Specialist, Collingdale, Pa.

WANTED—Experienced and hustling man to go on the road to sell florists' supplies. Apply to N., care HORTICULTURE, Boston.

SITUATIONS WANTED

GARDENER.

Florist, 36, married, no children; well versed in any kind of flowers, vegetables, greenhouse and landscape work; wish position in private place; capable to handle men; first class recommendations. Alexander Buteaux, gardener, Noroton, Conn.

FOREMAN wants position; at present employed by wholesale grower in Massachusetts. A No. 1 grower of Christmas, Easter and bedding plants, also small ferns and stove plants. Life experience in Europe and U. S.; only responsible position will be considered; correspondence confidential; can start thirty days after engagement. Large salary expected. T. T., care HORTICULTURE.

SUPERINTENDENT or head gardener wants position; open for engagement March 1st, 1911, or later; 20 years' experience in the growing of flowers, fruits and vegetables under glass, as well as out of doors. Married. Only first-class position will be considered. State salary and give full particulars in first letter. Private interview desired. T. D., care HORTICULTURE.

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SPLENDID OPPORTUNITY for a wide-awake party to acquire a well established retail florist business. Stock and good will to be sold, greenhouses to be let. One of the best places in Massachusetts for a progressive man. Present owner has too much business on hand. Moderate cash capital required. Apply HORTICULTURE, Editorial Dept.

FOR SALE—Account of sickness, old established greenhouses, 4,200 ft. glass, with or without dwelling, on line of two steam roads, and trolley line; three express companies; steam heat; only florist in town; sick; must sell cheap, easy terms. J. B. Griffiths, Jermyn, Pa., Box 1.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write FARSHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—House Lots between Preston Street and Greenwood Avenue, also on Stiles Street; commanding view of ocean and forest scenery. Dawn Nurseries, West Lynn, Mass. P. O. Box 135.

MISCELLANEOUS

WANTED TO LEASE, with privilege of buying, 10,000 to 20,000 feet of glass, dwelling house, and some land. Wanted to take possession April or later. X, care HORTICULTURE, Boston.

valley. Easter lilies are rather scarce and are selling well. Callas are more plentiful, but these also are selling well. Roman hyacinths, paper whites and daffodils are plentiful and bringing better returns than usual. Freesia is now to be seen in spots, but no great quantity anywhere as yet. The quality is fair.

A round of the WASHINGTON stores at the latter part of the past week showed that trade has dropped considerably within the past two weeks. This is unquestionably due in a measure to the fact that there is a marked scarcity in the better grades of flowers. Especially is this so in the line of carnations and roses. There are more yellow flowers on the market now, some good Golden Spur narcissi, also tulips in both yellow and white. Freesias are beginning to come in in limited quantity.

Flower Market Reports

(Continued from page 1)

Were it not for the DETROIT many strenuous weeks we have just passed through last week's inactivity would have given many of us the blues. Unfortunately local wholesale houses do not carry enough stock and even with the general small demand of last week they could not fill all the orders on such staple articles as carnations, long-stemmed roses or short red roses. The more our goods are shown the more is a demand for them and it is very doubtful whether larger shipments from out of town would depreciate the price. As the local situation appears, the high mark for carnations is \$4 per 100 and you can not go above it. If you have not enough you simply lose sales and the retailer will place his orders with growers and wholesalers in other cities. Keeping the supply down to the product of the immediate neighborhood when such supply has proven inadequate for several seasons, as has been shown to be the case locally, is injurious to grower as well as retailer. Competition is and always will be the equalizing lever whether it is among growers, or wholesalers, or retailers.

There is no PHILADELPHIA marked change in conditions here

since last report. Roses are still very scarce—especially American Beauty, and the quality of the latter is also away below par. Demand continues good and steady, with satisfactory prices and clearances the order of the day in the general market. Violets are possibly an exception to this. The demand for these is not at all what it should be. We hear some complaint about the quality of the local violet crop, which is said to be in many cases much poorer than last year. This does not apply to all, however, as we hear of a number of growers whose product is all that can be desired. Sweet peas have gone back a little on account of the cloudy weather and there are a good many coming in that are quite inferior. Gardenias, lily of the valley and orchids all remain about on an even keel, although there may be a slightly better demand for lily of the

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CAMBRIDGE, MASS.

NEWS NOTES.

Haverhill, Mass.—W. F. Eaton has purchased the interest of John E. Tabor in the Rosemont Greenhouse.

Los Angeles, Calif.—The Welfskill Greenhouse has been leased by George C. Watson.

Keene, N. H.—A strip of land adjacent to its white pine nursery has been purchased by the Keene Forestry Association.

Poughkeepsie, N. Y.—The Pental Greenhouses on Violet avenue have been leased by John Kluge who is growing violets.

Hinckley, Ill.—Owing to the bursting of a pipe which put out the fire, F. E. Graves suffered a loss of several hundred dollars in frozen stock.

Rapid City, S. D.—The Sunnyside Nursery and Gardens, owned by Reimers Bros., is a new concern which has started here, growing greenhouse vegetables, etc.

South Sudbury, Mass.—J. A. Bartlett has purchased the Anderson Greenhouses together with the dwelling house and an acre and a half of land on the state highway.

New York, N. Y.—The Wilson Plant Oil and Fertilizer Co., of Chatham, N. J., have located at 150 Nassau St., Room 1124. W. G. Badgley has disposed of his interests in the company.

Baltimore, Md.—The Baltimore Florists' Exchange elected the following at their annual election. Isaac H. Moss, president; F. C. Bauer, vice-president; P. B. Welch, secretary; C. E. Akehurst, treasurer; J. J. Perry, manager.

El Campo, Texas.—The city council has awarded to J. E. Wheeler, florist, the contract for improving and beautifying Herder's Park. This will probably be followed by another contract for planting shade and ornamental trees upon the principal streets of the city.

Santa Barbara, Calif.—The partnership of A. Verhelle and E. Lejeune, proprietors of the Exotic Nurseries, has been dissolved. Mr. Lejeune will conduct business in the same location under the same name. The Kentia Nurseries is a separate business established by Mr. Verhelle and he will carry a stock of other palms besides.

Forest City, Iowa.—The bursting of pipes in the boiler of the Hill City Greenhouses left them without heating of any kind on Monday, Jan. 2, but fifty oil heaters were gotten together and these, with smudges, kept the plants from freezing until the boiler could be temporarily repaired. Luckily this was accomplished by Monday evening, as Monday night the temperature dropped to 24 degrees below zero.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.35	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

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GREENHOUSES BUILDING OR CON-
TEMPLATED.

Oakland, Cal.—E. E. Gill, one house.
St. John's, N. F.—J. McNeil, house
22 x 100 feet.

Indianapolis, Ind.—Alfred Brandt, conservatory.

Eau Claire, Wis.—Eau Claire Greenhouses, addition.

San Mateo, Cal.—MacRorie-McLaren Co., eight houses.

Lee, Mass.—W. B. O. Field Estate, house 30 x 41 feet.

Evansville, Ind.—Karl Seidler, rebuilding next year.

Woodstock, Ont., Can.—Woodstock Floral Co., two houses.

Warren, Ohio—Thomas Fletcher, two houses 9 x 25 feet.

Duluth, Minn.—Superior Floral Co., two houses 20 x 100 feet.

Toronto, Ont., Can.—Grobba & Wandrey, two houses 40 x 180 feet.

Birmingham, Ala.—Theodore Smith, eleven houses each 32 x 150 feet.

Beloit, Ohio—G. A. Barber, two houses 18 x 200, one 14 x 100, one 16 x 150.

Tuxedo, N. Y.—G. L. Mason, chrysanthemum house and range of fruit houses.

Philadelphia, Pa.—Jno. Stephenson's Sons, Oak Lane, Pa., will build a big rose house 72x400, iron frame, even span, concrete walls, on new lot of four acres, one block above their present location on the Old York Road. The boiler plan is formulated and founded with the idea of a further extension of this 28,000 initiatory move. The plant may be ten times 28,000 before they get through. The contract has been awarded, and operations will be commenced at once.

Stephen Mortensen, Southampton, Pa., has awarded contract for rebuilding rose house 36x175—operations to be commenced at once.

The two foregoing contracts have been secured after the keenest competition by the Lord & Burnham Co., through their local agent, D. T. Connor. Mr. Connor has also captured a good-sized contract from Baltimore recently—that of Stevenson Bros—43x 200—who will build at Towson, Md., and remove part of their plant from Govanstown to the new location.

INCORPORATED.

Bellevue, Pa.—Neff National Floral Co., capital stock \$75,000.

Geneva, N. Y.—The Universal Nurseries, capital stock \$5,000. Incorporators, Frank J. Conboy, T. J. Buckley and Thomas J. Bolger.

Lake Geneva, Wis.—Lake Geneva Horticultural Society, capital stock \$10,000. Incorporators, F. J. Tyrell, W. P. Longland and A. J. Smith.

IN BANKRUPTCY.

Natick, Mass.—Fred L. Hardy; liabilities \$5619, assets \$200.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1500 2 1/2 " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	48 9 in. pots in crate \$3.60
800 3 1/2 " " " 5.80	48 10 " " " 4.80
500 4 " " " 4.50	24 11 " " " 3.60
450 4 1/2 " " " 5.24	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
200 5 1/2 " " " 3.78	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list
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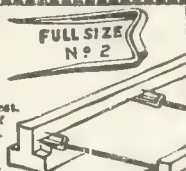
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This particular group of houses we erected for Mr. A. Coor at Golden, near Denver. It is located at the very base of the Rocky Mountains. It was planned in ridge and furrow fashion so that it would fit as compactly as possible into the space between the building on the right, and another one, out of sight, at the left. The result is certainly very effective.

It is Iron Frame construction.

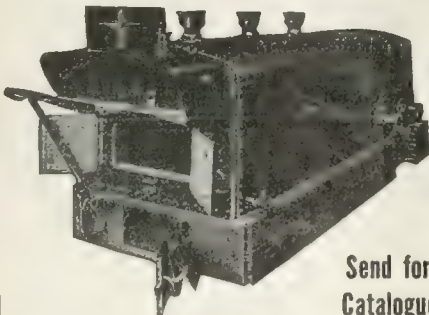
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Write for Prices on what you wish to import for the coming season.

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HORTICULTURE

Vol. XIII.

FEBRUARY 4, 1911

No. 5



SEMI-DOUBLE CACTUS DAHLIA RIESEN EDELWEISS

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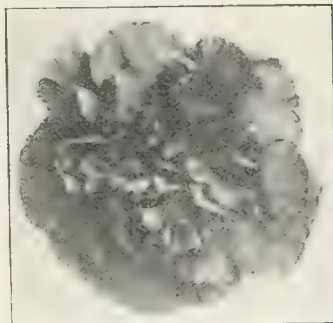
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It is a pure bright dark pink of even shade, size $3\frac{1}{2}$ inches, an early and continuous bloomer; brings fully 25 per cent. more flowers to the plant than Lawson at its best; flowers well shaped on long, wiry stems; calyx does not split. It is a good shipper, and the cuttings root easy.

Price per 100, \$12.00; price per 1000, \$100.00; price per 5000, \$400.00; 25 at 100, 250 at 1000 rates. Place your order now, to be in on early deliveries.

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Name	Color	Per 100	Per 1000
Dorothy Gordon	Deep Pink,	\$5.00	
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The Swan-Neck Orchids



CYCNOCHES VENTRICOSUM

The swan-neck orchids, represented by about eight species, are found only from Mexico to Guiana. They are known botanically as *Cycnoches*, which means "swan-neck," in reference to the resemblance of the column of the flowers to the neck and head of the swan. The genus belongs to that odd tribe of three genera, the *Catasetinae*, which includes also the equally remarkable *Mormodes* and *Catasetum*, both likewise American genera. The orchids of this tribe are rarely seen in cultivation, outside of botanical gardens or private collections. This assertion applies particularly to *Cycnoches*.

The swan-neck orchids are remarkable in having three kinds of flowers. The staminate and pistillate flowers are very dissimilar in appearance, the former, borne in short few-flowered racemes, differing widely, not only in color but in shape, from the smaller pistillate flowers which occur in long pendulous racemes. There is also a third intermediate form, usually perfect—that is, with both stamens and pistils. The three forms occur not only on the same plant, but sometimes in the same inflorescence.

The orchids belonging to the *Catasetinae* should be more generally grown, for, although not so showy as *Cattleyas*, they are far more interesting in their strange flowers and methods of pollen dissemination. Their culture is not difficult, if they are given a long period of rest at the proper time, with plenty of water at the growing and flowering seasons.

The accompanying illustration shows a plant of *Cycnoches ventricosum* Bateman, with staminate flowers. This was received by the New York Botanical Garden, among a lot of other orchids, from Tehuantepec, Mexico, through an exchange arranged with a gentleman living in southern Mexico. This species was described from living plants secured by Mr. Skinner in 1843 near Iztapa, Guatemala, about 300 miles to the eastward of Tehuantepec. The staminate flowers have the sepals, petals and column a yellowish green, and the lip pure white. The flowers exhale a strong sweet odor.

Seasonable Notes on Culture of Florists' Stock

ADIANTUMS

A short spell of rest is advisable after any heavy cut of the fronds. During the period of this inactivity, they should never be wholly denuded of mature fronds. Withhold water just enough to expel the acidity from the soil, but never suffer them to become at any time dust-dry at the roots. While drying out stir the surface to a reasonable depth so as to freely admit air and light. With the appearance of the young fronds starting, a top-dressing of two parts of rotten cow manure to one part of soil makes a good mulch. As the days get longer and brighter and the plants start into active growth some stimulant can be applied in the way of liquid manure water. Cow manure and soot is the best to use, half a bushel of the former and a peck of soot put into a bag and placed in 50 gallons of water. This if applied about once a week will stimulate growth. Repot adiantums that have had a rest, using a compost of three parts fibrous soil, one part well-decayed cow manure and one part leaf-mold with some sharp sand added. Increase your stock now by dividing clumps into pieces large enough to pot into 3-inch pots. Place in a frame on some damp sphagnum and maintain a temperature of from 60 to 65 degrees, and in two or three weeks they will have developed new roots when they can be placed on bench and grown on. *Adiantum Croweanum*, *cuneatum* and *decorum* give better and firmer fronds when grown in 55 degrees.

CALCEOLARIAS

These plants can now get their last shift into their flowering pots. Use a compost of three parts of turfy loam and one part each of cow manure and leaf-mold, with the addition of some sand. Like all quick-rooting plants of this nature they should not be potted too hard; nor yet too loosely, as the water will run away too quickly. Just use moderation. Give them a position as near the glass as available. Keep plenty of moisture around the plants and under the benches, and don't let temperature go above 50 degrees at night as they delight in a cool moist atmosphere. Later on when the roots are well through the soil liquid manure can be applied at regular and quite frequent intervals. Keep the aphid in check by mild fumigation every week. Give plenty of ventilation whenever possible.

FORCING SHRUBS

Bring into a house where the temperature stands at about 50 degrees, and use the syringe freely once or twice a day for the first four or five weeks. In about two weeks raise the temperature two or three degrees more as root action is becoming more active. It takes from seven to eight weeks to bring most spring-flowering shrubs into bloom. For rhododendrons and kalmia it is better to let them come along more slowly; they will be much better in foliage and color, while the flowers will last longer. More time should be allowed for snow ball and weigelas. Give them full light and sunshine now as it imparts vigor to the plant and gives a fine depth of color to the foliage. When in bloom give them a cool house for a week or ten days before wanted. Admit air at all times when the outside conditions of the atmosphere will permit. Forsythia, judas, almond, peach, cherry, pyrus, magnolia, spiræa, weigela and virburnum are good subjects.

GERANIUMS

- To have bushy plants with fine flowers for Memorial Day they should be in 2-inch pots now and when these are well rooted they should be shifted successively until 4-inch or 5-inch pots are reached. For these shifts use a good loam two parts and old manure one part. Keep

in a temperature of about 55 degrees until the plants have become well established, when 50 degrees will be sufficient. It is advisable to encourage a dry and airy atmosphere. To keep the plants from becoming tender and delicate pay attention to the ventilation. Avoid overcrowding on the benches. The tops of the strongest plants can be taken and propagated; they will make nice plants for bedding. Don't pinch any after the middle of February on your spring flowering stock.

RAMBLERS FOR EASTER

These roses that are for Easter should be put into a temperature of from 50 to 55 degrees at night, and every morning if the weather is at all clear give a good syringe to thoroughly dampen the wood. Raise the temperature to 58 degrees as soon as the buds begin to break, and this can be maintained until the flower buds appear. It takes about ten weeks to have these in flower, and about a month between the forming of the buds and their maturity. So the buds should appear by the 15th of March to be right for this year; if not, it will be necessary to apply more heat to have them ready for Easter. Ventilation and fumigation must go hand in hand in order to avoid attacks of mildew and green fly.

VIOLETS

As the days grow sunnier, fires may be lowered during the day so that the temperature will not run too high. It is much safer to run them too low than too high. If the day is bright and warm shut off part or all your heat and ventilate. This will keep your plants firm, dark colored and stocky. If they are vigorous and healthy the roots will be searching for some nutriment. A mulch or top dressing of old cow or mushroom manure will be of benefit to them. It is time now to propagate. In looking for cuttings choose only from such plants as are in first-class order. A good many growers mark such plants as have produced first-class bloom as to color and size, along with great health and vigor. The parent clump will be throwing thrifty shoots with fine little roots. Fill some flats with well rotted sod, with about one-fourth well-rotted cow manure, firming it well before pricking them out. For several days they will need careful watering and shading until well established, then give them full light and all the air the weather will permit. Syringe occasionally on bright days. Hold the temperature as near 40 degrees as possible. Fumigate to keep the plants clean of the fly.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Coelogyn cristata*; *Bougainvilleas* for Easter; *Gardenias*; *Lilies* for Easter; *Pandanus*; *Pelargoniums*.

Acidantha bicolor

This rather rare, hardy inmate of the garden resembles in leaf and habit the *Montbretia*; but has not the erect, stiff form of that bulbous plant. The ground tint of the flower is creamy white, and the markings at the base are reddish brown. They appear in a loose risp to the number of 8 or 10 on a stalk. The plant even when in bloom is not a striking one, and when planted in quantity it has no dazzling color effects. Its chief charms are the lily-like fragrance of the flower, the markings on the corolla, and its shape. As a flower for cutting it is very durable and readily finds purchasers. The florist will in *Acidantha bicolor* find a useful subject.

Frederick Moore

Fruit and Vegetables Under Glass

BUD DROPPING ON PEACHES AND NECTARINES

The dropping of flower buds on peaches and nectarines is one of the most lamentable things which a grower has to contend with. It has aptly been described as "being hit in the dark by an unknown hand," and so it is, for one is very much in the dark once they start to drop. It is not like one of the many troubles one can see and fight, knowing you are gaining ground and ultimately exterminating the pest. Once it commences the damage is soon done; one shake of the trellis is sufficient to bring a shower down and perhaps every flower bud has fallen to the ground in a few days—heartbreaking to the grower, as he is powerless to stop it; nothing can stop it.

The causes of this are to be found by looking back, probably, some time, and will be the result of either insufficient water during the growing or resting period, over-maturity, or excessive bud formation on weak wood. In the first case transpiration has been so rapid during the bright weather that there was not enough sap left to properly mature the bud, consequently it is weak and deformed and drops at the least irregularity of the root action. The second—dryness during the resting period—is the chief cause of buds dropping. Nine cases out of every ten can be traced to this, for it is the most critical time during the whole season for a peach or nectarine tree. Carelessness during potting, shifting or root pruning operations is often enough to cause disaster. Never allow the roots to become dry through exposure. Should it be necessary to leave any roots exposed for any length of time when pruning, etc., spray them over and cover up with old blankets or bags. After repotting pot-trees, thoroughly water in. This helps to settle the soil around the roots, after having a severe shaking up.

Trees in borders, while dormant, are apt to be neglected and get too dry. Peach trees will not stand for this as they require moisture right along. Over-maturity is sometimes common on very early forced trees. They make up their growth and later the bud. This is subject to so much sun it becomes hard and easily drops. Excessive bud formation occurs on some trees—*Elruge* nectarine, for instance—and with having so many to carry the least check brings some down.

A syringe over about three times a week, choosing bright days on which to do it, will be a great assistance, as it helps to keep the buds soft and plump. This is especially so where trees have been subject to severe root pruning. Avoid as much as possible excitement of the trees by fluctuations of the temperature and when starting into growth, do so gradually.

POT VINES

Pot vines will now be making nice growth and should have a night temperature of 55 to 60 degrees, rising to 60 degrees as soon as flower truss shows. Give air on all favorable occasions, which will strengthen the young growth and keep a good moist atmosphere. A light top-dressing of fibrous loam will be beneficial, as it will give the roots a little more room. Loam alone should be used, manure being too exciting at this stage. Rods

which have been bent over should be tied into permanent positions before there is danger of laterals being broken off while this is being done. Stop all laterals two leaves beyond the bunch.

MELONS

To have ripe melons in May, seed should be sown at once. Place one seed in a well-drained 3-in. pot which has been filled with good open soil. Water in and cover over to prevent evaporation. Give a temperature of 70 degrees night, with advance by day. When seedlings come through place on shelf near glass to encourage a sturdy growth. Transplant to bed before they become root-bound. Hero of Lockinge, Superlative, His Eminence and Invincible Scarlet will be found reliable varieties.

STRAWBERRIES

Strawberries which have set their fruit should have them thinned out to four or five, leaving the best-shaped fruits and those having the longest stem. With these very early lots shortness of stem is always a trouble, often not being long enough to reach over the pot. These fruits must be lifted off the soil and out of the water, otherwise they will decay before ripening. Bend a piece of wire to form three sides of a square and press the two ends into the soil. This will leave a bar on which to suspend the fruits. Give feed twice or three times a week using quick-acting manures.

ONIONS AND LEEKS

These will now be large enough to pot off. Use a 2½-in. pot and good, rich soil. Lift carefully and preserve all roots. Spray over three or four times a day during bright weather, taking care to have seedlings dry by night.

George H. Penon

Mr. Penon's next notes will be on the following: Fig House; Vines Bleeding; Disbudding Pot Peaches and Nectarines; Cabbage, Cauliflower and Beet; Cucumbers.

Dahlias

(See Cover Illustration.)

The number of fair debutantes of dahlias grows with every ensuing year, but so does the love and general public favor for this wonderful varied inhabitant of our gardens. My present notes will be confined to a few comparatively new semi-double and single sorts tried last season and found to be of decided merit. Riesen Edelweiss, to begin with, possesses a unique form. Visitors at the establishment of Otto Mann in Leipzig, Germany, its introducer, always first notice its close resemblance to the shape of the edelweiss flower. In consequence thereof the adoption of its name. It is a variety reaching a height from 5 to 6 feet, of free branching habit and is an early and continuous bloomer. The petals are of a pure snowy white, center yellow, buds borne on thin wiry stems well above the foliage. When planted against our dark New England evergreen background the contrasting effect of its masses of large swaying flowers is simply grand.

Equally tall and prolific in its floral produce proved Philadelphia, a semi-double variety, also of German

origin. The very large-sized flowers possess a conspicuous shading of rich reddish purple, with petals of lighter tints, their markings approaching a pure white, irregularly mixed in. Philadelphia is a dahlia for gay garden effects. Its gaudiness draws attention at the first glance.

Among the singles I cannot refrain from pointing out the excellent qualities of the variety Merry Widow. From early in July until the frost arrived the plants were covered with their large brilliant deep scarlet flowers. Merry Widow does not grow over 4 feet tall. Of very free-branching habit, the wealth of buds on long stems stands out boldly against the graceful dark green leafage. Of single scarlet varieties adapted for near and distant mass effects, I do not know an introduction approaching Merry Widow in size, substance and floriferousness.

Richard Rothe

Northeast Harbor, Maine.

Temperature for Mushrooms

Mr. John J. M. Farrell.

Dear Sir: I read with interest your articles in HORTICULTURE, and was specially interested in your article on mushrooms. I do not gather from your article your view as to what is the best temperature of the mushroom bed itself for fruiting. You say keep the temperature as near 50 degrees as possible. Do you mean the atmospheric temperature or the temperature of the bed itself. I have never seen any statement as to what the temperature of the bed should be after soiling. Presumably if the bed is at 70 degrees when soiled, it would remain that temperature for a time or average a little higher. Most writers say, keep the mushroom house temperature as near 57 degrees as possible. I am trying some experiments and would be glad of any information that will help me in my work.

Hoping to hear from you, I am

Yours very truly,

J. M. W. KITCHEN.

Replying to Dr. Kitchen's query I would say that good mushrooms can be grown in an atmospheric temperature of 50 degrees. This temperature produces fine, solid, shortstemmed mushrooms and the beds last longer in bearing when grown in this temperature. You say that most writers advise an atmospheric temperature of 57 degrees. That temperature will bring the crop in a little earlier, but exhausts the beds much sooner. Between the time of spawning and the first appearance of the mushrooms a temperature of 65 to 70 degrees can be maintained with beneficial effect in causing the spawn to run through the beds, but when the crop appears they should never be allowed to go higher than 50 to 55 degrees. As to the right temperature of the beds after soiling, it often happens after the surface of the beds has been covered with soil that the temperature of the beds rises to 75 degrees which will do no harm, but the bed should never exceed a temperature of 80 degrees. If the beds drop below 70 degrees you can often increase the heat by covering with some hay or litter, and sprinkling this with some water at 80 to 85 degrees, but not enough to cause the water to soak into the bed. However, when the beds get dry, do not hesitate to water them. The walls and pathways should be sprinkled with water, so that the atmosphere will not become dry.

John J. M. Farrell

HORTICULTURE

VOL. XIII

FEBRUARY 4, 1911

NO. 5

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Entered as second-class matter December 8, 1904, at the Post Office at

 Boston, Mass., under the Act of Congress of March 3, 1879.
 Page and half page space, special rates on application.

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A Canadian example

We hope our readers will not overlook the article which appears in our news columns this week in reference to the Canadian Express Company and the action taken by the Federal Railway Commission to put an end to their extortionate rates. Then turn the search-light on your own experiences and see whether there is not a need for a similar shaking up on this side of "the line."

A present need

The average of quality in flowers grown for the market at the present day is admittedly superior to that attained in the past. Better houses, improved varieties and more skillful growers in special lines have brought this about. But these flowers cost more to produce and with the average market value lower, the margin of profit for the grower has been narrowed down to such an extent that continued success is now only assured through watchful economy in operation and strict enforcement of modern business methods. Among the latter none are more important than the reasonable regulation of credits and the New England producers and wholesale dealers making Boston their center are doing the right thing in organizing for mutual protection in this respect. The "Old Farmers' Almanack" says "You cannot invest leather medals and expect a return in gold dollars." There was a period in the flower trade when that might have been done, but that time has gone.

Seed legislation

Representatives of the various seed trade organizations are in Washington this week, where, as mentioned in our issue of two weeks ago, they are attending a hearing on the Mann seed bill. We earnestly hope that the seedsmen will succeed in having the oppressive and impracticable features of this measure removed and modified so that should it finally become law it will answer its avowed purpose or else accomplish its defeat. Much of the unfavorable seed legislation which has been passed or sought to be passed in the various states has been undoubtedly due to the fact that legislators are unfamiliar with the complex conditions in the seed trade and even with the best of intentions are unqualified to frame statutes to properly fit the case. The seed trade has never been opposed to, but has been disposed to favor reasonable laws regarding seed purity and have always stood ready to give such information as would help towards legislation that would be fair for all. A uniform national regulation is greatly to be preferred to the incongruous, and often hostile, state enactments now in force, but let us have one that is reasonable and just and practicable in the standards demanded.

Flower Show schedule

In this issue will be found the full revised list of prizes offered in the cut flower department of the National Flower Show which is to open at Mechanic's Building, Boston, on March 25. The schedules of the various special societies which are co-operating with the S. A. F. in this big undertaking are included and ambitious flower growers can now begin to groom their most promising stock preparatory to producing blooms of prize-winning quality. The gentlemen who have had to shoulder the responsibility of making up this comprehensive schedule and look after the multitude of advance details required to get this affair properly under way have worked hard and conscientiously, meeting many unforeseen perplexities, and the trade in all parts of the country should rally to the support of this big National event with their floral contributions and their presence in large numbers in recognition of its all-important relationship to their industry. The happy merging of interests exemplified in the combined schedule of the various societies is further strengthened by the hearty co-operation of the Massachusetts Horticultural Society which has generously placed at the disposal of the National Committee its flower vases and other accessories for show uses. The complete schedule, including the plant section which was published about a year ago, and embodying all the rules, general and special, scales for judging, etc., will be ready for distribution within a day or two.

NEW AND INTERESTING PLANTS
AT RIVERTON.

The writer had the pleasure of a run through the Dreer conservatories at Riverton recently, in company with William J. Stewart, editor of *Horticulture*, and under the able ciceronage of J. D. Eisele and George A. Stroblein, a privilege greatly appreciated.

One of the most striking things in good shape at present is—

***Acanthus montanus*.**

which has leaves like a thistle and conspicuous spikes of white and pink flowers. This is probably the handsomest of all the *Acanthus* family—famous in painting and sculpture—and is distinguished not only for its handsome dark green, gold marbled spring foliage, but for its unique and beautiful inflorescence.

Fancy-Leaved Caladiums.

We got a glimpse of some of the new ones in the remarkable collection which the Dreer people have brought together. These are certainly most charming, and surprising in their wonderful variegation and delicacy or coloring. Crumarim, Faciero, McAdow, Tocatus, Pavuna and Rio de Janeiro were particularly conspicuous in this assembly of South American aristocrats.

***Polypodium glaucum cristatum*.**

Among the many fine new ferns this one strikes the visitor at once as one of the loveliest. The fronds are a unique blue, the edges of the pinnæ being gracefully waved.

***Sansevieria Zeylanica Laurentii*.**

An improvement on the well-known *zeylanica* having, in addition to the ordinary markings, a band of bright yellow along the margins of the leaves. A distinct acquisition and a splendid companion for the favorite house plant *Zeylanica*. We follow the Bailey spelling on this plant, which is a little different from Dreer's, but without pretending to assert which is the most correct.

***Phoenix Roebelinii* and *Cocos Weddelliana*.**

There is a doubt in the mind of the writer which is the most graceful of these two extremely graceful palms. Both Mr. Eisele and Mr. Stroblein refuse to commit themselves. They are like the old woman—first she thought yes, and then again, I dunno!

The 1911 Dreer Book.

We were presented with a copy of the 1911 catalogue. It is as big as a bible, and about as authoritative in its chosen field as human brains can make it. 288 big illustrated pages, colored plates galore, and a handsome cover. The book has few rivals in completeness and comprehensiveness in the world today, in seeds, plants and horticultural requisites, covering all departments except trees. A great feature is the cultural directions by experts such as William Falconer, Eben E. Rexford, Professor Bailey, T. Greiner, Mrs. Ely and many others—in addition to the unexcelled Dreer staff. This is a unique feature in a horticultural catalogue and is significant of the up-to-date enterprise and liberality of this leading American establishment. G. C. WATSON.

CARNATION BRIGHT SPOT.



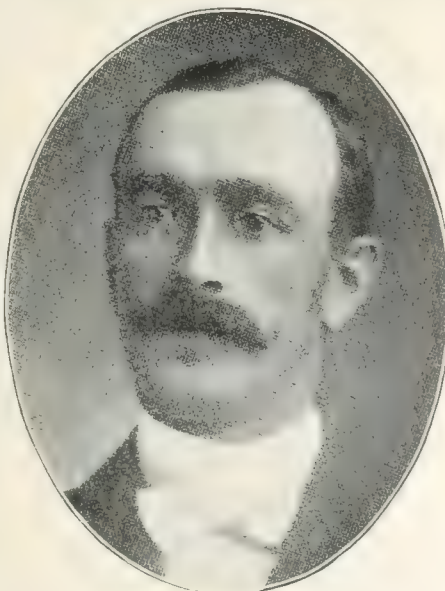
The accompanying picture shows the new carnation that Nic Zweifel of North Milwaukee is introducing this season with signal success and we are glad to be informed that his advertisement in *HORTICULTURE* has al-

ready brought him a good many orders. Bright Spot is regarded in Milwaukee, where it is well-known, as the best dark pink on the cut-flower market. It had a big crop and a big run at top figures for Christmas.

A TRIP TO JOLIET, ILL.

The invitation given by Manager Pyfer to visit the greenhouses of the Chicago Carnation Co. at Joliet on Jan. 10th, met with a hearty response and notwithstanding the rainy weather, about fifty representative members of the trade made up the party. A bountiful repast was served upon arrival. Special interest was shown by all in the Washington carnation being introduced this year. Its delightful color, similar to a Lawson at its best, together with its size and freedom has made it a welcome addition. Two hundred seedlings were also of special interest and among them were several that give promise of value.

The Chicago Carnation Co. was organized in 1897 and to its efforts are due in a large degree the great strides made in the last decade in the development of the carnation. Visitors are always assured of a hearty welcome and an opportunity is here afforded at all times to see carnations of the best varieties properly grown.

**GEORGE A. STROBLEIN**

Assistant Manager, Henry A. Dreer Corp.,
Riverton, N. J.

NATIONAL FLOWER SHOW

Schedule of Prizes Offered in the Cut Flower Section

Full List of Prizes in the Plant Section Has Already Been Published in Horticulture, Feb. 5, 1910, Page 187.

ROSES.

Prizes Offered by the S. A. F. and O. H. and the American Rose Society.

For prize schedule for roses in pots and tubs see Plant Schedule. Div. A.

(To be staged Saturday, March 25th; judging at 3 P. M.)

Extract from rules and regulations of the American Rose Society.

All exhibits for competition must be in position by Saturday, March 25th, 1911, not any later than 3 o'clock P. M., except Roses shown in Division B and C, which are to be staged on Friday, March 31st, 1911, and to be in place not later than 1 o'clock on that day. The exhibits of all classes except Division B, to be open to public view Saturday, Sunday and Monday, the 25th, 26th and 27th days of March, 1911. Then on Friday, March 31st, Divisions B and C are to be staged.

Entries for all the Rose classes should be forwarded so as to reach the Secretary, Benjamin Hammond, Fishkill-on-Hudson, N. Y., not later than March 18th. An entrance fee of \$3.00 is required for all non-members. Any person paying dues is entitled to make entry without further fee.

Exhibits sent express prepaid will be taken care of, and arranged in the absence of the exhibitor, providing entry has been duly made, and the Secretary notified in advance. Express packages should be marked as follows:

For Exhibition	
Perishable	Perishable
Must be Delivered Immediately	
Care Chester I. Campbell, Manager	
Mechanics Building, Huntington Ave.	
Rose Exhibition	Boston, Mass.

DIVISION B.

(To be staged Friday, March 31st; judging at 1 P. M.)

Class 266.—Display covering 200 square feet of space, and not to contain less than 200 blooms, quality of blooms and effect to be considered and decorative green of any kind, including plants, permitted.

First prize, \$250.00; second prize, \$150.00; third prize, \$100.00.

DIVISION C.

(To be staged Friday, March 31st; judging at 1 P. M.)

Special Retailers' Prize.

Class 267. For the best and most artistic arrangement of 100 cut roses; any variety, or varieties may be used, and with such accessories as the exhibitor may desire.

First prize, \$100.00; second prize, \$50.00

DIVISION D.

(To be staged Saturday, March 25th; judging at 3 P. M.)

Classes 268 to 279.—For 50 American Beauty, Killarney, White Killarney, Richmond, My Maryland, Mrs. Jardine, Kaiserin Augusta Victoria, La Detroit, Mrs. Aaron Ward, Cardinal or Rhea Reid, Chateaufort or Mrs. Potter Palmer, any other disseminated variety.

First prize for each, \$30.00; second prize, \$20.00 for each, excepting American Beauty for which the prizes are, first \$50.00, second, \$30.00.

DIVISION E.

(To be staged Saturday, March 25th; judging at 3 P. M.)

Classes 280 to 290 inclusive.—For 25 American Beauty, Killarney, White Killarney, Richmond, My Maryland, Bride, Bridesmaid, Golden Gate or Uncle John, Sunrise or Sunset, Bon Silence, any other disseminated variety.

First prize for each, \$10.00; second prize, \$5.00, excepting American Beauty for which the prizes are, first \$25.00, second \$15.00.

DIVISION F.

(To be staged Saturday, March 25th; judging at 3 P. M.)

Hybrid Perpetuals.

Stems not less than 12 inches. Open to all. Class 291.—Largest and best collection, not less than six varieties or less than six of a kind.

First prize, \$20.00; second prize, \$10.00.

DIVISION G.

(To be staged Saturday, March 25th; judging at 3 P. M.)

Hybrid Perpetuals.

Stems not less than 12 inches. Open to Private Gardeners and Amateurs only.

Class 292.—Largest and best collection, not less than six varieties, or less than three of each kind.

First prize, \$10.00; second prize, \$5.00.

DIVISION H.

(To be staged Saturday, March 25th; judging at 3 P. M.)

American Rose Society's Medals and Certificates for Novelties.

Class 293.—Gold Medal for the best new rose not yet disseminated, whether of domestic or foreign origin. Exhibits to be judged by the official scale of the American Rose Society, and no gold medal to be awarded to any rose scoring less than 95 points.

Silver Medal is offered at the same time and under the same conditions for a novelty scoring not less than 85 points.

A Certificate of Merit is awarded to all novelties scoring 80 points, but neither Medal or Certificate will be issued until the variety is named and 12 blooms shown.

It is further ordered that the complete scores of all the entries in the competition be filed with the Secretary of the American Rose Society before the award of any medal is confirmed. No duplicate medal will be awarded. It is understood that though the award of the Gold or Silver Medal or Certificate may be made to the same variety from one exhibitor exhibited in different centers, only one medal will be delivered to the exhibitor.

The Executive Committee of the American Rose Society reserves to itself the right of selection of the judges who shall pass upon the exhibits in the competition for these medals.

CARNATIONS.

Prizes Offered by the S. A. F. & O. H. and American Carnation Society.

Extract from the rules and regulations governing exhibits.

All entries must be forwarded so as to reach the Secretary, A. F. J. Baur, Indianapolis, Ind., not later than March 18th. Exhibitors from a distance will please note the date, and mail accordingly. A charge of \$2.00 will be made for each entry made later than March 18th.

All exhibits for competition (except Section G and for Certificate of Merit) must be in position by 1 o'clock P. M., Tuesday, March 28th, at which time judging will begin. Section G will be staged Friday, March 30th. Exhibits not in position by the time specified will be debarred from competition. New varieties may be staged at any time beginning March 28th, for Certificates of Merit.

Exhibits sent express prepaid will be taken care of, and arranged in the absence of the exhibitor, providing entry has been duly made, and the Secretary notified in advance. Express packages should be marked as follows:

For Exhibition	
Perishable	Perishable
Must be Delivered Immediately	
Care Chester I. Campbell, Manager	
Mechanics Building, Huntington Ave.	
Carnation Exhibition	Boston, Mass.

All carnations except Section G

must be staged Tuesday, March 28th; judging at 1 p. m.

SECTION A.

Open to all varieties.

Class 294 to 302.—Vase 100 blooms each, white, flesh pink, etc., light pink, etc., dark pink, etc., red or scarlet, etc., crimson, etc., yellow or yellow variegated, white, variegated, any other color, etc. First prize, \$15.00; second prize, \$10.00; third prize, \$5.00; for each.

See Section H, Class 343, for Sweepstakes prize in Section A.

SECTION B.

Open to all varieties disseminated prior to July, 1910. 50 blooms to each vase.

Classes 303 to 326.—White Perfection, White Enchantress, any other white, Enchantress, Pink Delight, any other flesh pink, Rose pink Enchantress, Winsor, Winona, any other light pink, Mrs. Thos. Lawson, Afterglow, any other dark pink, Victory, Beacon, any other scarlet, Harry Fenn, any other crimson, Mrs. M. A. Patten, Variegated Lawson, any other white, variegated, any yellow, variegated, any other color, First prize, \$5.00; second prize, \$3.00; for each.

Three prizes may be awarded in Class 326.

SECTION C.

For Seedlings and Sports not disseminated prior to July, 1910. 25 blooms to each vase.

Class 327.—Sweepstake prizes for Classes 328 to 333 inclusive. First, \$25.00 and S. A. F. Silver Medal; second, \$15.00 and S. A. F. Bronze Medal; third, \$10.00.

Classes 328 to 333.—White, Pink, Red or Scarlet, Crimson or Maroon, Variegated, any other color. First prize, \$10.00; second prize, \$6.00; third prize, \$4.00; for each.

SECTION D.

American Carnation Society's Medals.

Class 334.—A Gold Medal will be awarded to the best vase of 100 blooms, any variety; must score not less than 90 points.

A Silver Medal will be awarded to the second best vase in this class; must score not less than 88 points.

A Bronze Medal will be awarded to the third best vase in this class; must score not less than 86 points.

SECTION E.

Class 335.—American Carnation Society Certificate of Merit. To be identical with our regular certificate class.

SECTION F.

Class 336.—Preliminary Certificate. To be identical with our regular certificate class.

SECTION G.

(To be staged Friday, March 31st; judging at 1 P. M.)

Class 337.—Exhibit of Carnation blooms, covering 50 to 100 square feet of space. Carnation or other foliage may be used if so desired. First prize, \$100.00; second prize, \$75.00; third prize, \$50.00; fourth prize, \$25.00.

Class 338.—Table Decoration, in which Carnations are the principal flower used. First prize, \$50.00; second prize, \$25.00; third prize, \$15.00.

Class 339.—Mantel Decoration, in which Carnations are the principal flower used. First prize, \$25.00; second prize, \$15.00; third prize, \$10.00.

Class 340.—Hamper of Carnations; other foliage permissible. First prize, \$15.00; second prize, \$10.00; third prize, \$5.00.

Class 341.—Basket of Carnations; other foliage permissible. First prize, \$15.00; second prize, \$10.00; third prize, \$5.00.

Class 342.—Bride's or Bridesmaid's Bouquet. First prize, \$15.00; second prize, \$10.00; third prize, \$5.00.

SECTION H.

Special Premiums.

Class 343.—Silver Cup, valued at \$30.00, is

offered by Hitchings & Co. as a Sweep-stake Prize in Section A.

Class 344.—\$25.00 in gold is offered by F. Dörner & Sons Co. for the best vase of 100 blooms Pink Delight.

Class 345.—A Gold Medal, or \$25.00 in gold is offered by Krieschell Bros. for the largest 12 blooms of Carnations, one or more varieties. Each bloom must measure not less than 5 inches.

Class 346.—Vase of 100 J. W. Riley, Rertermann Bros. offer. First prize, \$15.00; second prize, \$10.00.

Class 347.—A \$25.00 Silver Cup, or \$25.00 in gold, is offered by J. S. Heacock Co. for the best vase of 100 blooms Dorothy Gordon.

SECTION I.

For varieties disseminated season 1909-1910. 50 blooms to each vase. First prize, \$6.00; second prize, \$4.00.

Class 348.—Sangamo, prizes offered by A. C. Brown.

Class 349.—Conquest, prizes offered by Chicago Carnation Co.

Class 350.—Shasta, prizes offered by Baur & Smith.

Class 351.—Scarlet Glow, prizes offered by F. Dörner & Sons Co.

Class 352.—D. Gordon, prizes offered by Jos. Heacock Co.

Class 353.—J. W. Riley, prizes offered by The E. G. Hill Co.

Class 354.—Bon Ami, prizes offered by Geo. E. Buxton.

Class 355.—Mrs. C. W. Ward, prizes offered by Cottage Gardens.

Class 356.—Alma Ward, prizes offered by Cottage Gardens.

Prizes Offered by the S. A. F. & O. H. and the National Sweet Pea Society of America.

Extract from the rules for this exhibition.

Entries will be received up to 10 o'clock on the day previous to the exhibition. A great favor will be conferred, however, by earlier notification.

Entries must be made on the forms supplied by the Secretary, Harry A. Bunyard, 342 W. 14th St., N. Y. City.

All exhibits must be staged by 1 o'clock on Tuesday, March 28th.

Exhibits sent by express should be prepaid and marked as follows:

Perishable	For Exhibition	Perishable
Must be Delivered Immediately		
Care Chester I. Campbell, Manager		
Mechanics Building, Huntington Ave.		
Sweet Pea Exhibition Boston, Mass.		

SWEET PEAS.

Classes 357 to 364. 100 blooms each White, Pink, Pink and White, Light Pink or Salmon, Lavender, Red or Crimson, Waved or Variegated, any other color.

First prize, \$10.00; second prize, \$5.00; for each.

Classes 365 to 375.—50 blooms each of White, Pink, Pink and White, Light Pink or Salmon, Lavender, Red or Crimson, any waved variety, Variegated, Yellow or Primrose, Blue or Purple, any other color.

First prize, \$5.00; second prize, \$2.50; for each.

Class 376.—New Variety. 50 blooms. First prize, \$10.00; second prize, \$5.00.

Class 377.—New Variety. 25 blooms. First prize, \$6.00; second prize, \$4.00.

Retailers' Section.

Class 378.—Table Decoration. First prize, \$25.00; second prize, \$20.00.

Class 379.—Basket. First prize, \$10.00; second prize, \$5.00.

Class 380.—Bride's Bouquet. First prize, \$10.00; second prize, \$5.00.

Zvolanek Prize.

Class 381.—Eight or more distinct varieties, 100 in each vase. First prize, \$25.00; second prize, \$10.00.

Zvolanek Prize.

Class 382.—Ten or more distinct varieties, 25 in each vase. First prize, \$10.00; second prize, \$5.00.

These varieties must be named; renamed varieties excluded.

Arthur T. Boddington Prize.

Class 383.—Display of not less than ten varieties, 50 in each vase. Prize, \$25.00.

Lord & Burnham Prize.

Class 384.—Display of not less than 1000 blooms. Gold Medal.

R. & J. Farquhar & Co., Prize.

Class 385.—Bouquet of Sweet Peas with any green foliage—private gardeners or amateurs only. Prize, \$10.00.

Certificates of Merit will be awarded to exhibits of Sweet Peas, apart from the above classes, also for novelties superior to existing varieties.

ORCHIDS.

Class 400.—Best display and collection of Cut Orchids, each species or variety filling one vase, arranged for effect. Cut greens of any variety admissible in arranging of same. First prize, \$75.00; second prize, \$50.00.

Class 401.—Flowering stem of Cattleya, any species. First prize, \$3.00; second prize, \$2.00.

Class 402.—Flowering stem of Laelia, any species. First prize, \$3.00; second prize, \$2.00.

Class 403.—Flowering stem of Laello-Cattleya or Hybrid Cattleya. First prize, \$3.00; second prize, \$2.00.

Class 404.—Flower Cypripedium, any variety. First prize, \$2.00; second prize, \$1.00.

Class 405.—Flowering stem of Selenipedium. First prize, 2.00; second prize, \$1.00.

Class 406.—Six stems Calanthe, any variety. First prize, \$3.00; second prize, \$2.00.

Class 407.—Flowering stem Dendrobium. First prize, \$3.00; second prize, \$2.00.

Class 408.—Flowering spray Odontoglossum, any variety. First prize, \$3.00; second prize, \$2.00.

Class 409.—Flowering spray Oncidium, any variety. First prize, \$3.00; second prize, \$2.00.

Class 410.—Flowering spray Phalaenopsis, any variety. First prize, \$3.00; second prize, \$2.00.

Class 411.—Flowering spray Vanda, any variety. First prize, \$3.00; second prize, \$2.00.

Class 412.—Flowering spray of any Orchid other than above. First prize, \$3.00; second prize, \$2.00.

GLADIOLUS FORCED BLOOMS.

Open to All.

Class 420.—Dinner table, set for form decorated with Gladiolus blooms. First prize, \$10.00; second prize, \$5.00; third prize, \$3.00.

Class 421.—Artistically arranged Basket of Blooms. First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

Class 422.—Centre piece. First prize, \$10.00; second prize, \$5.00; third prize, \$3.00.

Class 423.—24 spikes not less than 4 large flowered varieties. First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

Class 424.—Display of named varieties of Gladioli to occupy 20 square feet. First prize, \$12.00; second prize, \$8.00; third prize, \$6.00.

Class 425.—Collection of Gladiolus Colvillei and Nanus types, 20 square feet. First prize, \$10.00; second prize, \$5.00; third prize, \$3.00.

Note:—Ferns, Asparagus, Smilax or foliage may be used for effect in all classes.

OTHER CUT FLOWERS.

Class 431.—Antirrhinum, 12 White Spikes. First prize, \$3.00; second prize, \$2.00.

Class 432.—Antirrhinum, 12 Yellow Spikes. First prize, \$3.00; second prize, \$2.00.

Class 433.—Antirrhinum, 12 Red Spikes. First prize, \$3.00; second prize, \$2.00.

Class 434.—Antirrhinum, 12 Pink Spikes. First prize, \$3.00; second prize, \$2.00.

Class 435.—Antirrhinum, largest display. First prize, \$15.00; second prize, \$10.00.

Class 436.—Freesia, 100 blooms. First prize, \$5.00; second prize, \$3.00.

Class 437.—Camellias, Display (blooms with foliage). First prize, \$10.00; second prize, \$5.00.

Class 438.—Display of Pansies. First prize, \$15.00; second prize, \$10.00.

Class 439.—Pansies, 100. First prize, \$3.00; second prize, \$2.00.

Class 440.—Display of miscellaneous bulbs or tuberous rooted plants excluding Hyacinths, Tulips and Narcissi. First prize, \$15.00; second prize, \$10.00.

Class 440.—Violets, bunch (100 Double). First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

Class 441.—Violets, bunch (100 Single). First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

Class 442.—Display of Violets. First prize, \$25.00; second prize, \$15.00.

Class 443.—Mignonette, 25 spikes. First prize, \$5.00; second prize, \$3.00; third prize, \$2.00.

Class 444.—Stocks, display of cut blooms,

not less than 6 vases. First prize, \$10.00; second prize, \$6.00; third prize, \$4.00.

Medals of the S. A. F. and O. H. will be awarded for meritorious exhibits.

The Massachusetts Horticultural Society will bestow Gold and Silver Medals on exhibits of exceptional merit.

THE TRADE EXHIBIT ANNEX.

This occasion being the first instance in which the experiment of a trade annex to a horticultural exhibition has been attempted, a few words of explanation may be desirable in order that the relationship of the two departments as constituted may be fully understood by exhibitors.

The exhibition as originally contemplated, was on the usual competitive and display lines of such horticultural enterprises. When, however, Mechanics' Building in Boston had been selected as the most eligible location, it became evident that there would be more room in this vast edifice than could possibly be utilized for show purposes. This surplus space included the entire area of the lower floor and the suggestion was made that this space might be advantageously devoted to the purpose of a trade exhibit annex on lines similar to the trade display at the S. A. F. summer conventions. The idea at once proved popular with the trade, who saw in the large attendance of trade visitors expected at the National Flower Show, a promising opportunity for spring business and space was rapidly contracted for. Later, on the urgent request of the plant exhibitors in this department, it was decided to move the plant section from the lower to the upper floor, adjoining but separated from the National Flower Show proper. Distinctive rules governing the management of the National Flower Show proper and the Trade Exhibit annex will be found in this schedule and exhibitors are urgently requested to read same carefully in order to avoid misunderstandings.

EXPRESS AND R. R. EXTORTIONS.

Canada has a Dominion Railway Commission much like an interstate commerce commission, but with wider powers. Telegraph and express companies are subject to it. The Canadian express companies are largely owned by the railroads, and have been charging extortionate rates. On complaint largely of fruit growers in the western part of Ontario, this Dominion Commission has been investigating the express business. Here is a sample of what they found. The Canadian Express Company when bought by the Grand Trunk Railroad in 1892 was valued at \$60,000. The railroad paid \$662,000—the \$600,000 being for the franchise. There are now over \$3,000,000 worth of stock outstanding, while the tangible assets are said to be \$212,719. During seven years this company paid nearly \$8,500,000 to the Grand Trunk Railroad—this being about 55 per cent. of its total revenue—taken from the Canadian people. As a result of its investigation the Dominion Commission has ordered the express companies to just about cut their rates in two. The robbery practiced all these years upon the Canadian people is no greater than that on this side of the line. The same conditions exist here. The money now being used to fight parcels post was stolen from the American people by the express robbers. We have all contributed to the fund now being used to deprive us of our rights.—Rural New Yorker.

The regular meeting of the Buffalo Florists Club will be held on Tuesday, February 8th, at which time nomination of officers for ensuing year will take place.



THE BRUNSWICK

Boylston St. and Copley Square

BOSTON'S MOST POPULAR HOTEL
FOR VISITORS TO THE NATIONAL
FLOWER SHOW

Located directly opposite the Institute of Technology, and within two blocks of Back Bay R.R. Stations. All cars to Mechanics Building (Exhibition Hall) pass the entrance.

EARLY RESERVATION OF ROOMS IS ADVISED
European and American Plan

HERBERT H. BARNES, Prop.

Clubs and Societies

CONNECTICUT HORTICULTURAL SOCIETY.

Our first business meeting of the year was held on the 13th inst., at the County Building, Hartford. On the center table, President Huss had a handsome display of Chinese primroses, *Laelia anceps* and *Lycaste Skinnerii*.

George B. Baker, of New Britain, briefly outlined his method of primrose culture. President Huss recommended that the seed be sown in succession, in pans or boxes, in light soil, well firmed, up to a quarter-inch of the top of the receptacle; then put on glass, and prick off into other boxes when they show a few leaves. He said that a greenhouse is not necessary for the purpose; for they can be grown in frames. Keep them cool in the frames, and shade during the summer. Although generally grown from seed, they may be propagated by cuttings. Those plants exhibited were from seed sown in March.

At the chairman's request, the secretary read a pamphlet entitled, "A Visit to the Arnold Arboretum," by W. J. Bean, of the Royal Gardens, Kew, London. President Huss told of the great work of Professor C. S. Sargent, and of his own visit there some time ago, and of the genial personality of Jackson Dawson, a co-operator with the director.

HORTICULTURAL SOCIETY OF NEW YORK.

Monthly exhibitions will be held at the American Museum of Natural History, on the second Wednesday in February, March and April. A number of prizes will be offered at each. The first of these occurs on February 8th, and will be open to the public from 1 to 5. This will be devoted primarily to orchids and roses, for which the following premium list has been prepared:

Orchids: For Non-Commercial Growers; eight classes, as follows: *Cattleya*, *Laelia*, *Dendrobium*, *Oncidium*, *Cypripedium*, any other orchid and hybrid orchid, first prize, \$3.00, second \$2.00 respectively; collection of cut orchids, \$6.00 and \$4.00; col-

lection of cut cypripediums, \$3.00 and \$2.00.

Roses—Open to all. Best vase of a new rose not yet in commerce, silver medal.

For Non-Commercial Growers: 3 vases, 3 kinds, 12 flowers each, first \$6.00, second \$4.00; 12 Pink Killarney, 12 White Killarney, 12 Richmond, first \$3.00, second \$2.00 respectively; 25 roses, assorted, arranged for effect, first \$6.00, second \$4.00.

All are welcome to exhibit, whether members of the Society or not. For information and schedules apply to George V. Nash, secretary, Botanical Gardens, Bronx Park, New York City.

NEW JERSEY FLORICULTURAL SOCIETY.

The New Jersey Floricultural Society held their regular meeting, Friday, January 13th. Officers were installed by the Rev. L. H. Lightipe, the botanist of the Society, who said a few words of encouragement to each.

Competition for the silver cup closed with the following results:

Roses—1st, A. B. Jenkins, Albert F. Larson, gardener; 2nd, Thos. A. Edison, Frank Drews, gardener. Carnations—1st, S. M. & A. Colgate, William Reid, gardener; 2nd, Chas. Hathaway, Max Schneider, gardener. Seedling Carnations—1st, William Reid; 2nd, Albert F. Larson. Orchids—1st, Lager & Hurrell, Summit, N. J. Foliage Plants—1st, William Reid. Flowering Plants—1st, William Reid.

Competition for 1911 will commence at the February meeting and end at the December meeting. There will be two classes for orchids—one for the commercial growers, the other open to all except commercial growers. Two classes for roses, a separate class for American Beauties and a vegetable class. The Society will hold its annual smoker at the February meeting. WILLIAM REID, Sec'y.

NORTHERN INDIANA FLORISTS' ASSOCIATION.

The Northern Indiana Florists Association held their regular quarterly meeting at N. Manchester, Ind., Jan. 18. The local florists, Harry White and J. J. Martin, entertained the visiting members at the Young Hotel. After a sumptuous banquet, the meeting was called to order by the president, W. W. Dederick, in the parlors of the hotel. Many things were talked about to the mutual benefit of all present. Harry White of N. Manchester showed fine White Perfection and

Viceroy carnations; Johnson Flower Co. a collection of several varieties of carnations. Wagoner Flower Co., Columbia City, a rose-pink seedling of fine stiff stem, and Enchantress plants of *Sprengerii* and *plumosus* and ferns, also caladium bulbs.

A. J. WAGONER, Sec.

UNIVERSITY OF ILLINOIS.

The Illinois State Horticultural Society—R. O. Graham, Bloomington, president—in co-operation with the Illinois Florists' Association, the Cook County Truck Growers' Association, the Illinois Outdoor Improvement Association, the Lake Forest Horticultural Society, and the Horticultural Department, University of Illinois, began a ten-day institute on January 31 at the University of Illinois College of Agriculture. Dr. T. J. Burrill, vice-president, University of Illinois, speaking on the general subject, "Horticulture," gave the opening address. Mornings and afternoons will be devoted to lectures and instruction along horticultural lines. Illustrated lectures will be given during the evening sessions. J. F. Ammann, Edwardsville, has charge of the flower show and the exhibit of rare plants and cut flowers shown by the Horticultural Society of Lake Forest is under the supervision of the secretary, G. Geppert. August Geweke, Des Plaines, president of the Cook County Truck Growers' Association, is in charge of the display of vegetables.

Flowers are to be staged by noon, Feb'y 8. Ship in care of Geo. B. Franks, Champaign, Ill.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The following committees have been appointed to act for the Ladies' Society of American Florists at the National Flower Show:

By order of Mrs. J. V. Phillips, Pres.
Prize Committee: Mrs. Chas. H. Maynard, Mrs. J. A. Peterson, Mrs. I. L. Powell, Mrs. R. Whitman.

Theatre Committee: Mrs. W. H. Elliott, Mrs. W. J. Stewart, Mrs. Peter Fisher, Mrs. B. Hammond Tracy.

Reception Committee: Mrs. Albert M. Herr, Mrs. Julius Roebis, Jr., Mrs. Chas. H. Totty, Mrs. J. C. Vaughan.

MRS. CHAS. H. MAYNARD, Sec.

PHILADELPHIA NOTES.

Henry F. Michell left on January 28 for a brief sojourn at Pinehurst, S. C. Between the catalog building and the rush is the right time for the seedsman to take a few days off. And there are worse places than Pinehurst!

Speaking of successful local violet growers W. C. Pray, Kinkora, N. J., deserves honorable mention in that connection. His Marie Louise are certainly very fine stock. They are handled by the S. S. Pennock-Meehan Co.

Visitors this week: S. J. Renter, Westerly, R. I.; W. C. Langbridge, representing Jerome B. Rice Co., Cambridge, N. Y.; H. H. DeGraaf, Leyden, Holland; C. W. Tabler, Martinsburg, W. Va.; Mr. Hogue, of Hogue-Kellogg Co., Ventura, Cal.

J. G. Slater, an experienced seedsman from the old sod, has secured an important position in the Dreer establishment in Philadelphia. He has already had about a year's American experience—with the great Boston house—Joseph Breck & Sons.

The daintiest calendar that has come to the Philadelphia office of Horticulture this year is that of the Conard & Jones Co. It has a beautiful color plate of their new pink canna, Mrs. Alfred F. Conard, which we commented on so favorably in our Dreer notes of last August. The calendar is an ornament to any office.

Our esteemed friend, James M. Thoires, the leading florist of Camden, N. J., visited Philadelphia recently. After a busy morning at Pennock-Meehan's, and other wholesale centers, he began to get reckless, and was nearly run over on Broad street by a sand sprinkling cart. Come again James. Come early and avoid the rush.

M. Rice & Co. are the meteoric florists' supply men! Last summer they put an extra story on their building at 1220 Race street. Now it is rumored that they have negotiations well underway for an entirely new property with twice the facilities. The rapid increase of business during the past two years is compelling them to still further extend.

On January 30th an interesting lecture on spraying was given at the Michell seed store by C. W. Tabler of Martinsburg, W. Va. This was well attended and was freely illustrated by all the latest devices and materials. The program for February in this series of lectures and discussions is as follows: Feb. 13th, "The Gladiolus and its Development," by I. S. Hendrickson, Floral Park, N. Y., president of the American Gladiolus Society; Feb. 27th, "Old Fashioned Flowers," by C. Townsend, Merchantville, N. J.

ST. LOUIS FLORIST CLUB.

The Florist Club will on next Thursday afternoon, Feb. 9, hold their annual carnation show in their club rooms in Odd Fellows' building. All new varieties will be shown and discussion on carnations will be the order of business that day. A large attendance is looked for.

John K. M. L. Farquhar of Boston is to lecture before the Gardeners' and Florists Club of Baltimore on Feb. 13th. Subject, "Gardens of Italy."



Dreer's Double Petunias

Our **DOUBLE PETUNIAS** for more than half a century have been the acknowledged standard. The strain this season is equal in high quality to its predecessors and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in. pots, which will quickly furnish an abundance of cuttings.

Strong 3 in. pots, 75 cts. per doz., \$6.00 per 100. The set of 15 for \$1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

DOUBLE, 75 cts. per 500 seeds, \$1.50 per 1000 seeds.

SINGLE, 50 cts. per trade pkt., \$1.00 per 1-16 oz., \$1.50 per 1-8 oz.

These prices are for the trade only.

OUR CURRENT QUARTERLY WHOLESALE PRICE LIST offers a full line of seasonable Plants, Seeds, Bulbs, etc.

HENRY A. DREER, Philadelphia, Pa.

Every Florist and every Grower should have a copy of

"How to Grow Cut Flowers" By M. A. HUNT

228 Pages. 36 Illustrations. Cloth, \$2.00

Postage prepaid on receipt of price

M. A. HUNT FLORAL CO., Terre Haute, Indiana

CINERARIA HYBRIDA

Remember this is the
BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.

1012 West Ontario St., Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

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Parkins Street Nurseries. Rosindale, — Boston, Mass
Price list on application.

PALMS, FERNS AND DECORATIVE PLANTS

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Rutland Road and E. 45th St.
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BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

TRITOMA PFITZERI
RED HOT POKER

The best poker for cut flowers.

	Per 100	Per 1000
Divisions, single crowns	\$4.00	\$30.00
Double and Triple	6.00	50.00
Clumps	8.00	70.00

THOMAS J. OBERLIN, Sinking Spring, Pa.

During Recess

Dinner at Glen Cove.

The fifth annual dinner of the Nassau County Horticultural Society, which took place Wednesday evening, January 25 at Schleicker's Hall, Glen Cove, N. Y., was a most glorious and hilarious success. J. Austin Shaw officiated for the third time as toastmaster over a crowded house. There were fully a dozen New York visitors. The dinner was good, the speakers eloquent, the music exhilarating, especially the bag pipes, and it was not far from morning light when the affair broke up. Among the speakers were: Rev. J. W. Gammack, F. E. Conine, B. G. Davis and S. S. Butterfield, who spoke for the Press; W. H. Waite for the Yankers Society, Robt. Angus for the Tarrytown Society, Wm. Duckham for Morris Co. Society, H. A. Bunyard for the S. A. F., W. Rickards a song, C. H. Totty for The Queen of Flowers, R. F. Bowne for Glen Cove, W. A. Sperling for the Seedsmen, Arnold Koehler for the Nurserymen (also a song), W. E. Maynard for the Asso. of Gardeners, Senator Lenker for the Common People, Charles Plumb for the Ladies, and President Trepass for the Nassau County Horticultural Society. Andrew Wilson gave a vaudeville performance ably assisted by Robert M. Schultz. James Tough played the pipes, W. R. Kinnear gave a recitation and "there were others."

President Trepass took occasion before the toasts were started, to present to Mr. Duthie, the retiring presi-

dent, with a token of appreciation on behalf of the members. Mr. Duthie in accepting thanked them all very heartily. Mr. Duthie then also made a presentation which consisted of \$10 in gold which he had offered as a prize for the largest winner of first prizes at the monthly competition. President S. J. Trepass was the winner. There was also a second prize of \$5 which was won by G. Wilson, but to the regret of all he was unable to be present. C. H. Totty in the course of his remarks made mention of a new single chrysanthemum of his which he had named "Jack Everitt" after J. W. Everitt, ex-president of this society, also that he offered a gold and silver medal for the best exhibit of this variety at the fall exhibition.

Chicago Bowlers.

The Florists' Bowling Club made the following scores Jan. 25th:

CARNATIONS.		VIOLETS.	
Ayres	157 152 175	Stuppy	170 163 158
Krauss	156 136 145	Liebman	128 130 169
Goersch	154 114 133	Fr'dman	164 157 176
Schultz	144 200 139	Lorman	131 209 150
A. Zeck	211 178 182	Yarnall	192 164 168
ORCHIDS.		ROSES.	
Huebner	202 148 154	Win'son	141 147 153
Farley	200 140 177	Wolf	150 149 133
J. Zeck	157 166 145	Byers	135 155 106
Degnan	137 168 172	D'sm'nd	128 112 98
Graff	159 160 139	Foster	175 182 200

New York Bowlers.

Scores last Friday night were as follows:

Manda	122 128 194	Berry	120 115 129
F'r'ch	117 146 —	K'sler	139 110 117
R'ck'nds	109 155 211	Scott	163 142 136
Shaw	110 104 105	Ch'dw'ck	189 186 186
Nugent	64 61 83	Watkins	85 92 103

A special prize is promised for high

score on the afternoon of Monday, February 13. A match game between New York and Rutherford bowlers is contemplated.

St. Louis Bowlers.

Quite a few local florist bowlers took part in the national bowling tournament in the big Coliseum, St. Louis. Among them were: C. A. Kuehn, J. J. Beneke, George Schriefer, J. Meinhart, Carl Beyer and A. Y. Ellison. All made good scores but were hardly in it for prizes.

INCORPORATED.

Geneva, N. Y.—H. E. Merrel Nursery Co.; to conduct a general nursery and fruit business. Capital stock \$40,000. H. E. and E. H. Merrel of New York and H. L. King of Geneva, incorporators.

New York, N. Y.—The Old Dominion Industrial Co., capital stock \$300,000; to engage in forestry, agriculture and horticulture. Incorporators, W. J. Robertson, Stephen S. Anderson, W. R. Graham, all of New York City.

The North Shore (Manchester, Mass.) Horticultural Society's Show Schedule for 1911 has been issued. Three shows—Rose, Summer and Chrysanthemum—are to be held. The schedule has many new features as regards its general make-up, rules, scales of points and the various prizes offered. Copies will be sent on application to J. D. Morrison, secretary.

POTASH PRICES PLEASE FARMERS AND DEALERS

Sales to Them Increase.

The long published statement regarding the potash situation, signed by Mr. Bradley and others, contains some near truths, much argument and some opinions of attorneys, the latter being evidently influenced by their clients' presentation of their troubles. All of these need to be considered in connection with the following facts:

Mr. Robert Bradley did not sign the contract July 1, 1909, but according to Mr. Schmidtman it was signed by Mr. Peter Bradley in New York, August 18.

The statement of the Prussian Minister of Commerce in the German Parliament on July 7th contained the following:

"Being a man of caution, I have already drawn up a prospective law, which naturally I have not yet placed before the Bundesrat. Now everybody knows where he stands and can arrange the business accordingly. Whether the potash syndicate will be formed is not material. The question rather is, whether it will be possible to counteract the consequences detrimental to the general welfare."

It is quite inconceivable that Mr. Bradley should not know of this on August 18th, when the contract provided that "any export or import duties or other governmental charges which may hereafter become effective within the life of the contract shall also be paid by the buyer," was signed.

Under the circumstances the signing was a speculation which so far

has not been successful, but he made a bad guess on what was going to happen and Mr. Schmidtman out-traded him.

The other 68 buyers who see fit to cast their lot in with Mr. Bradley had contracts with the Sollstedt mine, which did not expire until 1917. These contracts guaranteed the average price paid by the two greatest American fertilizer corporations, and had they not consented to change them the mine (which had been purchased by another American corporation, the International Agricultural, of which Mr. Schmidtman is president), would have been obliged to pay the tax.

However, in September or October they saw fit to sign supplemental contracts in which they assumed all taxes and other governmental charges, German or American. They, too, made a bad guess and were outwitted by Mr. Schmidtman.

The trade lists show about 600 fertilizer manufacturers in the United States, so that only about one-tenth of them are represented in the present contention. Among those who are not asking the government for help in trying to get an advantage over their competitors is the Virginia-Carolina Chemical Co., the largest fertilizer corporation in America. On the contrary, the German mine Einigkeit, controlled by the Virginia-Carolina Co., recently joined the potash syndicate.

Mr. Bradley's ideas on conservation seem to consist mainly of "filler." The fact that the law requires an increase of at least five per cent yearly in the quantity mined proves that there is no

intention of limiting production. The conservation policy of the law is that the mining shall be so regulated that mines more favorably situated shall not export their products at a price lower than the average cost of mining and lower than that for which the Germans themselves can secure the same products.

We have every reason to believe that the German Foreign Minister did not assure Ambassador Hill that "it would not invalidate or impair the American contracts," but that the assurance was given that a provision would be made so that the American buyers need not pay more for their potash than had been paid in previous years. This promise was faithfully carried out and this provision stands in the law, but the buyers have never asked for the liberal reductions which it permits.

Mr. Bradley dramatically inquires: "How, therefore, can Germany afford to start a tariff war with the United States?" Germany has no such intention. A small but noisy fraction of the American fertilizer manufacturers is trying to convince the American Government that it ought to start a tariff war in order to get them out of a bad bargain.

In the meantime, the potash business is getting lots of effective advertising. Farmers and dealers are buying direct in greatly increased amounts at reduced prices, and are quite satisfied with the situation since it permits them to mix their fertilizers at home at much less cost than they can secure them in ready mixed form.

GERMAN KALI WORKS,
By H. A. Huston, Secretary.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.**

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

DUTY ON ROSA RUGOSA.

McHutchison & Co., of New York, who recently had two protests before the general appraisers, on the assessment of duties on certain imports of nursery stock, write us as follows in regard to the questions raised and the attitude taken by the Custom House authorities, which may be of interest to some of our readers:

"Protest No. 458973 was on French-grown, 1-year seedlings. We invoiced them at \$1.00 per 1000, but the duty was raised to 4c. each—as roses. Our protests on these items were sustained.

"Protest No. 458972 covered Rosa Rugosa seedlings from Holland, which were sold as 18-24 in. plants, entered at 25 per cent. ad valorem as shrubs, and raised to 4c. each—as roses. Our protest was overruled, so the duty of 4c. each remains.

"The treasury decision was to the effect that because the plants were three years old or more the duty on roses would prevail. You will see they decide on wrong premises. First, because we didn't ask for a duty of \$1.00 per 1000 on Holland seedlings but for a 25 per cent. ad valorem duty; second, because they decide that the Holland grown plants are three or more years old. As a matter of fact, they are 2 or 3-year seedlings—never more.

"We could, no doubt, win our case by proving that the Holland seedlings were not more than three years old, but this would mean a duty of \$1.00 per 1000. This would not be fair to the Government and the decision, we fear, would not hold. The right decision would make them dutiable at 25 per cent. as shrubs. They are used only as shrubs—not roses.

"It would be an easy matter to decide our case before some competent horticultural commission, but most difficult before Custom House authorities; first, because they do not know the stock under discussion; second, because they do not accept the evidence of authorities, and third, because their rules prevent them from considering evidence, which would decide our case beyond question."

NEWS NOTES.

Smith's Ferry, Mass.—Gallivan Bros., florists, of Holyoke, have purchased the Smith farm and will use it as a flower farm to supply their city store.

Monticello, Ind.—The steam heating apparatus for the Delphi Greenhouse blew up on Jan. 13th. Three of the employees were more or less injured, and the greenhouse badly damaged.

Aurora, Iowa.—R. R. Davis of Morrison has purchased an interest in the greenhouse of W. B. Davis & Co. L. S. Stocking and James Davis, former members of the company, have retired.

Freeport, Ill.—Directors of the Freeport Floral Co. were elected on Jan. 19th as follows: Dr. D. C. L. Mease, Judge W. N. Cronkrite, C. H. Little, Louis Bauscher and Adolph Pitterle. The range consists of from 40,000 to 50,000 square feet of glass.

ROSES FOR 1911

DARK PINK KILLARNEY. A sport of Killarney, similar in habit, but more highly colored than Killarney at its best. Grafted plants only, from 2¼-inch pots: \$20.00 per 100, \$180.00 per 1000.

LADY CROMWELL. A shell pink sport of My Maryland that for pleasing color is unsurpassed. A wonderful producer, and a color that sells. Grafted plants only, from 2¼-inch pots: \$30.00 per 100, \$250.00 per 1000.

PRINCE DE BULGAIRE. The best prices for cut flowers should be the standard for judging Roses, and this Rose has been the money getter. Strong and vigorous in growth, and with beautiful shell pink bloom. Grafted, \$20.00 per 100, \$180.00 per 1000. Own Root, \$15.00 per 100, \$120.00 per 1000.

DOUBLE PINK KILLARNEY. Originating with Robert Scott and Sons, who supply us the wood for grafting. Stronger in growth than Killarney, and with at least ten more petals. Grafted stock only: \$30.00 per 100, \$250.00 per 1000.

MRS. AARON WARD. By far the most pleasing of the yellow Roses now on the market. A general favorite. Grafted, \$25.00 per 100, \$200.00 per 1000. Own Root, \$12.00 per 100, \$100.00 per 1000.

MELODY. We have reserved for our orders own-root plants of this choice novelty. No grafted plants. From 2¼-inch pots, \$30.00 per 100, \$250.00 per 1000.

RADIANCE. Strong in growth and making plenty of stem. Cerise pink in color. Grafted plants, \$18.00 per 100, \$150.00 per 1000. Own Root, \$10.00 per 100, \$90.00 per 1000.

A. N. PIERSON, Inc., - Cromwell, Conn.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

Box Trees

and other **EVERGREENS** for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.

BEDFORD, MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 48th STREETS., PHILADELPHIA, PA.

DAHLIA ROOTS

Whole Field Clumps - At \$5.00 per 100 and up, 10-12 in 10 distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$40.00 cash.

CANNA ROOTS

Strong Division, - At \$2.00 per 100, \$12.00 per 1000 and up. *Send for List.*

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZII. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.
SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayli, Wimsettii, Adiantoides, Aspidium Tsussimense, Crytomium falcatum, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CHICAGO NOTES.

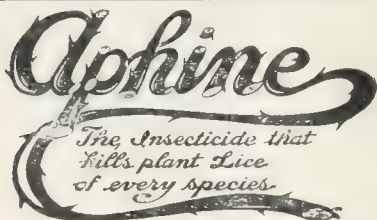
About Town.

Anton Then's greenhouses is one of the busiest places in Chicago and his family are all in the trade. Together they represent the growers, the wholesalers and the retailers, the only family in this vicinity that covers all branches of the business, and each one successful.

Hoerber Bros., though among the newest in the trade, held back their crop at the holidays and now are selling roses and carnations to better advantage than they could have at that time. Their firm have under consideration the erection of a third range the coming spring.

An especially pleasing calendar with thermometer attached is being sent out by the Globe Greenhouses, Madison street and 53rd avenue. Another attractive calendar is that of the Chicago Carnation Co., showing the Washington carnation in colors, and it is in much demand.

Ed. Amerpohl of the Janesville Floral Co., Janesville, Wis., is in Chicago exhibiting his new invention, which promises to be of value to retail florists. It is a frostproof box of specially prepared paper composition and is used for the safe delivery of plants, especially in cold weather. The top and bottom are removable and the plants can be telescoped without any injury to foliage or bloom. A double box with air space is used in extreme weather.



You may depend on it for positive results, without fear of failure or dissatisfaction.

\$2.50 PER GALLON; \$1.00 PER QT.

"FUNGINE"

An infallible remedy for mildew and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 PER GALLON; 75c. PER QT.

For sale by seedsmen.

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

An unusual number of large floral offerings was sent to the Medina Temple, Jan. 31st, where the funeral of Mr. and Mrs. John G. Neumeister, who died with pneumonia upon their arrival in Pasadena, was held. One of the largest was an eight-foot spray of full-blown American Beauties, put up by A. Lang. The emblems of the order were particularly well executed and the whole was a good lesson to the florists who availed themselves of the opportunity to visit the Temple.

Personal.

H. C. Blewitt of Desplaines is still confined to his room. Clifford Pruner is back at his post after a week's experience with the grip.

Tom McAllister of A. Lang's is taking his vacation this week. Mr. Lang is showing his appreciation of the way his clerks took hold of the extra work during the holidays by giving them each a three days' vacation.

J. J. Stuppy of the Stuppy Floral Co., St. Joseph, Mo., who has been here for the past two weeks, says the florists' business in the southwest is developing rapidly. This firm will build four new houses 27x400 ft. in the spring to take care of their trade.

C. Philip, now private gardener for E. T. Swift of Lake Geneva, Wis., is going to Pittsburgh to take charge of the Greenlawn Conservatories at the home of H. J. Heinz. Mr. Philip is well known in Chicago, where he formerly lived. Robt. Simpson, formerly with Dr. Isham, will take charge of Mr. Swift's place.

Visitor: Wm. F. Kasting, Buffalo Park Commissioner.

NEWS NOTES.

It is stated that the largest commercial greenhouse on the Pacific Coast is planned by F. S. Stimson millionaire lumberman of Seattle. One large greenhouse is to be erected at once as the initial unit of a system that is to ultimately cover 10 acres of land situated near the head of Lake Washington.

Argus Haerens, Somergem, Belgium, reports under date of January 12th, 1911, that on the previous Sunday several of his azalea novelties were exhibited at the monthly meeting in Ghent Casino. "Winfried Haerens" obtained the most success. Everyone admired the variety for its large, vigorous, deep red flowers. "Sokvenir William Edgar" is almost like a double Mme. Van der Cruyssen, a little smaller, slightly fringed, with

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US!

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.
Madison, New Jersey

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World
SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ROEHRS

ORCHIDS, AZALEAS, PALMS,
LORRAINES, CROTONS
RUTHERFORD, N. J.

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.
FERNS FOR DISHES

Assorted varieties,
2 in. pots, \$3.50 100; \$30.00 1000.
Cash with order.

FRANK OECHSLIN

1011 Quincy St., CHICAGO, ILL.

BOSTON FERNS, 2½ inch \$30.00 per 1000,
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON
Whitman, Mass.

very strong branches. "Tricolorolle" (or Christmas bells)—the flowers are like bells; this is also an early variety. Color of Hexe, a little lighter.

**MAKE YOUR GARDENS JUST LOVELY
THIS SUMMER BY SOWING**

SUTTON'S delightful ANNUALS

per pkt.
Chrysanthemum, Morning Star. 12c.
Candytuft, Improved White
Spiral 24c.
Clarkia, Firefly 24c.
Dimorphotheca aurantiacn. 24c.
Eschscholtzia, Ruby King. 24c.
Godetia, Double Rose. 24c.

per pkt.
Larkspur, Stock-flowered Rosy
Scarlet 24c.
Lavatera Rosea Splendens. 24c.
Mignonette, Giant. 24c.
Nasturtium, Salmon Pink. 24c.
Nigella, Miss Jekyll. 24c.
Poppy, Selected Shirley, mixed. 24c.

**Collection of the 12 packets named above for
\$2.50**

Complete price lists forwarded on application.

SUTTON & SONS THE KING'S SEEDSMEN READING, ENGLAND

Begonias and Gloxinias

We are in possession of a fine consignment of above bulbs

BECONIAS

CLOXINIAS

Per 100
SINGLE, white, red, rose, yellow,
orange \$2.50
MIXED, above colors. 2.00
DOUBLE, separate colors. 1.00

Per 100
MIXED, all colors. \$3.00
SEPARATE COLORS. 3.50

WM. ELLIOTT & SONS, 42 Vesey St., New York

NEW ALYSSUM VARIEGATED LITTLE GEM

This new Alyssum sported from the green little Gem has a white band around every leaf and is very dwarf growing, only 3 inches in height, and has a profusion of white flowers all summer. It certainly is a gem of all Sweet Alyssums and a wonderful plant. In a mass it looks like the glittering frost; as a single plant it is a Jewel among all other bedding plants. It will be indispensable for carpet bedding and will fill the long felt want of a dwarf white border, or for outlines between Alternanthera and all other plants for that purpose. I received honorable mention by the S. A. F. and O. H. at their convention in Rochester, Aug., 1910, and a Certificate of Merit from the Albany Florist Club at their Annual Flower Show, 1910.

Plants, 2 1/4 inch pots, \$1.00 per doz.; \$6.00 per hundred; \$50.00 per thousand. Sample plants will be mailed on receipt of 15 cents.

Orders filled in rotation, beginning, March 1, 1911.

JOSEPH TRAUDT

Canajoharie, N. Y.

OREGON GROWN ASTER SEED

Yamhill Co., Oregon, is the natural home of the Aster and any one desiring seed OF HIGH-GRADE COMMERCIAL QUALITY

will do well to try our seed for 1911. Ask for our new descriptive booklet.

OREGON ASTER SEED, pink, shell pink, white or purple Tr. Pkt., 25c; 4 Pkts., 75c; Oz., \$4.00
VICK'S ROCHESTER, lavender pink. Tr. Pkt., 25c; 4 Pkts., 75c; Oz., 4.00
LADY ROOSEVELT, bright pink. Tr. Pkt., 20c; 4 Pkts., 60c; Oz., 3.00
Special prices to seedsmen. Contracts taken for 1911.

HERBERT & FLEISHAUER, Aster Specialist, McMinnville, Oregon

FIRE RECORD.

Bellingham, Wash.—The greenhouse and residence of Stuart Wile, 2427 Kulshan street, were totally destroyed by fire Jan. 12th.

Philadelphia, Pa.—The greenhouses of Christian Fresch at Richmond street and Erie avenue were damaged by fire recently to the amount of \$2500.

NEW BEGONIAS.

Among the plant novelties arousing the greatest sensation in Europe at the present time are the hybrids between the tuberous rooted begonias and Gloire de Lorraine. According to description and photographs the plants are covered with flowers as abundantly as in the Lorraine, but the blooms are several times larger and in all variations of color.

¶ The most profitless occupation in the world is to sit idly thinking of what you would do if you had another chance. Forget what you have done badly and do better in the future. Suppose you have had a bad lot of lily bulbs—that's no reason you can't do better. Perhaps if you reason it out, it was your own fault. Be reasonable. Get the best bulbs you can buy—the t's Horseshoe Brand Giganteum—take reasonable care of them, and you will have lilies you can depend upon. The reason why Horseshoe Brand are better than the average is the most simple thing in the world, and that is primarily that they cost more money. It takes money to get the best, but when the first cost of lily bulbs is small compared with the value of a good plant, what's the use in trying to get an eight cent bulb for six cents. Pay the price and get an article worth while and you will profit by it. Cold Storage Giganteum of Horseshoe Brand should be ordered now for delivery during 1911—you need them in your business—there is nothing better for funeral work and nothing more appropriate.

¶ Write for prices which are reasonable. Catalog free.



Not How Cheap
But How Good

Ralph M. Ward & Co.

**12 West Broadway
NEW YORK CITY**

*Cold Storage Giganteum on hand ready for
delivery at any time during 1911.*

Seed Trade

Mail Order Business Light

The mail order houses report business not quite up to last year's January. At the same time it cannot be said to be dull, and doubtless the balance of the season will show a sufficient increase to bring the grand total fully abreast of last year's volume. Considering everything, it can be said that the trade is reasonably busy.

The Cannery Convention.

We assume it is generally understood by those members of the trade who usually attend the Cannery Convention, that it is to be held at Milwaukee, February 6th to 10th, next. Those who have not already secured rooms should get busy without delay. The Hotel Pfister has been named as headquarters, but as all exhibits and business will be transacted at the Auditorium, where the machinery exhibits will be held, there seems no real need of a hotel headquarters. The members of the Canning Machinery and Supplies Association, and their employees, we understand are to receive free badges this year on registering. The association has entered into an agreement with the National Cannery Association, whereby they have paid the latter a lump sum, estimated sufficient to cover the number of badges to be issued to the members of the association and their employees. Notice has been given by the president of the C. M. & S. Association that a full list of members and their employees should be sent to Secretary J. A. Hanna at Cadiz, Ohio, for badges, and members should be careful to restrict their requirements to actual employees, and not abuse the privileges of free badges, which all are doubtless welcome to who are entitled to same.

About Seed Corn.

The situation affecting seed corn is still rather clouded and information which comes to us is more or less conflicting, still there is no doubt that a large percentage of the late varieties has been seriously damaged, and the extent of this damage will only be discovered when deliveries are actually made. By the way, it seems that shipments are very late this year, which is doubtless largely due to the fact that the corn has cured very slowly. We understand that one grower says he will not be able to ship his late varieties before March. This will doubtless cause considerable inconvenience and dissatisfaction, but perhaps it is unavoidable.

The Noll Reorganization.

We referred some weeks ago to changes which had taken place in the firm of J. F. Noll & Co., and expressed the opinion that the business would be continued under the management of Mrs. Noll, and her brother-in-law, Mr. R. C. Noll. There have been some intimations that the business was to be sold, or that important changes were

impending but we are reliably informed that these rumors are without foundation, that the business is in a very prosperous condition and has shown a marked gain in volume for December and January over the same months of last season. As we understand, there is ample capital behind the business, we can see no reason why it should not continue to grow and prosper.

A Sensible View of the Seedsmen's Position.

We present for the edification of Mr. Fullerton and the foolish children generally who beat the alarm gong so loudly about the seedsmen's disclaimer which has borne the brunt of assault by the greatest lawyers of both the old world and the new, for fifty years, and come through the fire as a fundamental expression of justice and equity, and is seldom questioned now-a-days except by people who have a twist of some kind in their heads, the following clipping from a contemporary, written by a market gardener of New York State:

It seems an innate trait of human nature to blame the other fellow when we fail. Under no circumstances must we blame ourselves. When we fail in growing a crop it is usually the seedsman who gets the hot end of it. If a grower makes a big bill of hot manure for cucumbers and the cucumbers are not long and smooth for want of water, the seedsman is blamed for selling a poor variety.

It is quite impossible to make some gardeners understand that they have made any mistake in plowing, preparing and fertilizing the soil or in locating the crop on the poorer soil for the variety. When failures come the seedsman must be blamed.

I have known Self-Blanching celery seed taken from the same bag and sold one pound to each man on Long Island, the plants planted on adjoining land, to produce celery on one side of the fence as fine as one ever saw, while on the other side of the fence the celery was pithy and good for nothing.

I have known cauliflower to head finely with one gardener and to be a failure with another. In fact, for a number of years I tried to grow cauliflower successfully but gave up in disgust. But I did not blame the seedsman from whom I obtained the seed.

I have known one gardener to get a fine crop of peppers from seed raised by himself, while a neighbor who bought plants from him failed entirely and questioned whether or not the plants were grown from the same seed.

I have known one gardener to grow forty-eight barrels of peas from a bushel of seed and another gardener to grow from the other bushel, out of the same two-bushel bag, but twenty-four barrels.

One gardener asked me why his onions this year were not as good as last year when the seed came out of the same bag and came up equally as well. Another asked why his Earliana tomatoes were rough and flat in one field and as fine and perfect as could be in another field when the plants were from the same seed bed. So that after all it is not always the seedsman who is to blame for our failures.

GEO. C. WATSON

The "Thoughtful Congressman."

The following clipping from the San Jose Mercury shows a lovely public sentiment in that part of California which draws much of its revenue from the seed trade:

Editor Will F. Blake of the Gazette (Gilroy, Cal.) has received a consignment of seed from our thoughtful Congressman, Hon. E. A. Hayes, and these will soon be distributed in both town and country.

Editor Will F. Blake, and the "thoughtful congressman" evidently think themselves in the Lydia Pinkham class—"benefactors of the hu-

man race"! If they paid for it out of their own pockets, we would probably put them in jail for leze majesty!

A Valuable Cabbage.

One of the vegetable novelties given unstinted praise in Burpee's Annual for 1911 is the New Early Cabbage "Copenhagen Market" introduced by Hjalmar Hartmann & Co., of Copenhagen, Denmark. Another introduction by this firm which received a very fine reception here was Red Cabbage "Danish Stronghold," sent out in 1906. Of Copenhagen Market, Mr. Burpee says:

"It is undoubtedly without a rival as the finest large, round-headed early cabbage in cultivation. The type is thoroughly fixed, the heads maturing all at the same time. The heads average about ten pounds each in weight, are very solid, with small core and of fine quality. It matures as early as Charleston Wakefield, and will give a much heavier yield per acre than that popular variety."

Notes.

Utica, N. Y.—The Davis Nursery and Seed Co. is in its new location at 55 Blandina street.

Columbus, Ohio—Mier-Shoemaker Seed Co., capital stock \$50,000. Andrew Shoemaker, incorporator.

Chickasha, Okla.—J. E. Farrington has opened a seed store in the Ben Johnson Building on Chickasha avenue.

Boston—Messrs. Chas. H. Breck and J. K. M. L. Farquhar have gone to Washington to attend the hearing on the Mann seed bill.

Sturgeon Bay, Wis.—The John B. Davis Seed Co. has been incorporated by John B. Davis, August Reiboldt, Joseph Schauer and Joseph Wolter.

St. Joseph, Mo.—Faber Seed Co., incorporated, capital stock \$15,000. Incorporators, Jas. B. Faber, Wm. P. Graham, Thos. P. Graham and Horace Stringfellow.

Asbury Park, N. J.—The R. V. Crine Seed Co., incorporated with a capital stock of \$400,000; to deal in seeds, food products, etc. Incorporators, R. V. Crine, J. H. Becker and J. N. Grant.

Turney, Mo.—J. F. Althouse is to open a seed store in the Turney Mercantile Co. building. His business has previously been conducted at his farm near here. A line of farm implements and hardware will be carried.


Lompoc, Calif.—The Lompoc Seed Growers' Association, a selling organization composed of California farmers, has been organized. This association will control about 75 per cent. of the California mustard crop and nearly the whole of the California seed beans. John Houck, A. G. Baalam and F. O. Harris are organizers and officers.

Full particulars of the damage done in New York City by the great dynamite explosion of February 1, have not reached us. It is reported that the entire front of Peter Henderson & Co.'s new building was blown to pieces. The majority of the seed houses are located down town within the limits where the greatest general damage was done and we can hardly expect that others exposed equally with Henderson have escaped. We hope, however, that later accounts will show the injury to have been light and in no case personal.


THE "SPENCER" TYPE OF SWEET PEAS

Burpee's Special Re-selected Stocks for 1911.

"SPENCER" SWEET PEAS are a great specialty with us! We were the first to grow the seed in America—the stock having been entrusted to us before introduction, even in England, of the original Countess Spencer. We have grown "the original Beauty" and its many "sportive" children with painstaking care each season since. These are but few other growers who can supply an equal assortment of True RE-SELECTED "SPENCERS" that are uniformly of such choice quality. Seedsmen and Florists can see how superior our stocks now are by the trials at FORDHOOK FARMS next June or July, while those who may be in California are invited also to inspect the growing crops at our FLORADALE FARM in the beautiful Lompoc Valley. Every planter's garden, however, is really a trial ground and we shall be quite content if any "Doubting Thomas" will send us only a portion of his order and note the difference in character of flowers produced!

 You can buy so-called "Spencer" Sweet Peas at half our prices—but the result will be only disappointment—and when in flower you will surely admit that you would gladly have paid even double our prices to have had the BURPEE-QUALITY of the TRUE SPENCER TYPE!

	Per pkt	Per oz	Per ¼ lb	Per lb
3131 America Spencer. Red flakes on white ground.....	\$0 15	\$1 00		
3133 Asta Ohn. A charming soft lavender.....	10	25	\$0 75	\$2 50
3134 Apple Blossom Spencer. Of same coloring as the popular <i>Apple Blossom</i>	10	35	1 00	3 50
3135 Aurora Spencer. An exact counterpart of <i>Burpee's Aurora Sweet Pea</i>	10	45	1 25	4 50
3138 Beatrice Spencer. White ground, tinted with pink and buff.....	10	25	75	2 50
3139 Countess Spencer. A soft rose-pink.....	10	20	60	2 00
3140 Constance Oliver. Delicate pink, suffused cream.....	15	75		
3141 Dainty Spencer. White, edged with rose.....	15	85	2 75	10 00
3149 Emily Eckford Spencer. Rosy mauve, changing to blue..	15	1 50		
3143 Ethel Roosevelt. Pink flakings or stripes on cream ground. Half-size packet (10 seeds) 15 cts.....	25			
3144 Flora Norton Spencer. A beautiful shade of lavender...	10	50	1 50	5 00
3145 Florence Morse Spencer. A light pink-edged <i>Countess Spencer</i>	10	20	60	2 00
3146 Florence Nightingale. The best lavender <i>Spencer</i> . Half-size packet (10 seeds) 15 cts.....	25			
3147 George Herbert. Bright rosy-carmine.....	10	25	75	2 75
3148 Helen Lewis. Crimson-orange; wings orange-rose.....	10	20	60	2 00
3152 King Edward Spencer. Deep carmine-scarlet.....	10	25	85	3 00
3153 Lovely Spencer. Similar in color to the original " <i>Lovely</i> "..	10	40	1 10	4 00
3154 Mrs. A. Ireland. Buff ground suffused rose.....	15	50	1 35	5 00
3155 Marie Corelli. Brilliant rose-carmine.....	15	85	2 75	10 00
3158 Mrs. C. W. Breadmore. Buff ground, edged with pink...	15	40	1 10	4 00
3159 Mrs. Routzahn. Apricot suffused with pink.....	10	35	1 00	3 50
3160 Mrs. Sankey Spencer. <i>Black-seeded White Spencer</i>	10	20	60	2 00
3161 Othello Spencer. Rich deep maroon.....	10	35	1 00	3 50
3162 Mrs. Hugh Dickson. Rich pink-apricot on cream ground...	15			
3164 Paradise Ivory. Flushed rose on primrose ground.....	10	30	85	3 00
3166 Burpee's Primrose Spencer. (Re-selected).....	10	20	60	2 00
3168 Purple Prince Spencer. Standard purple-maroon, wings rosy-purple.....	15			
3169 Queen Victoria Spencer. Deep primrose flushed with rose..	10	50	1 75	
3170 Ramona Spencer. Striped blush pink on white ground..	10	30	85	3 00
3173 Senator Spencer. Deep claret stripes on heliotrope ground	15	65	2 00	7 50
3174 Tennant Spencer. Spencer form of <i>Dorothy Tennant</i>	10	50	1 75	
3180 Waverly Spencer. Purplish maroon.....	10	35	1 00	3 50
3175 W. T. Hutchins. Cream, margined with blush-pink.....	15	85	2 75	10 00
3176 Burpee's White Spencer. (Re-selected).....	10	20	60	2 00
3181 Surpassingly Superb New "Spencer" Seedlings. A grand mixture of varieties of the true " <i>Spencer</i> " type.....	10	20	60	2 00

 The above Prices are Net to Florists, except Prices per Pkt., which are subject to 33 1-3 per cent Discount.

BURPEE'S BLUE LIST FOR 1911

A complete catalog of 146 pages, for Florists and Market Gardeners,—will be mailed upon application, but only to those entitled to receive it. Our Retail Catalog is free to everyone.

W. ATLEE BURPEE CO., Philadelphia

SEED TRADE NOTES.

Another pure seed bill, known as No. 10, has been introduced in the Ohio legislature by Representative Huber. The measure is practically the same as a number of other proposed measures that have come up in the last few years. Ohio seed interests are opposed to any bill that involves a penalty for marketing a small percentage of impure stock, on the ground that it is impossible to consistently grow absolutely pure seed.

For many years the headquarters of Messrs. Carter & Co. have been located in High Holborn, London, but increasing business has necessitated a move into the country. The whole of the staff is now comfortably ensconced in the new buildings at Raynes Park. In the midst of a twenty-five-acre plot a handsome and commodious building has been erected. The new workshop is undoubtedly a model of its kind; it will be a standing advertisement for the firm for years to come.

CATALOGUES RECEIVED.

E. E. Stewart, Rives Junction, Mich.—Wholesale Trade List of Gladioli for 1911.

Geo. Wittbold Co., Chicago—Blotter and 4-page list of florists' plants, roots, bulbs, etc.

George Stevens, Peterboro, Ont.—Folder Canadian Unleached Hardwood Ashes. Good stuff.

George R. Pedrick & Son., Pedricktown, N. J.—Surplus Price List of Vegetable Seeds, for the trade only.

Good & Reese Co., Springfield, O.—Spring Trade List. Roses and general collection of plants, bulbs, etc., hardy and tender.

Vick & Hill Company, Rochester, N. Y.—High Grade Aster Seeds. This is a special offer for spring of 1911 and worthy of perusal by the trade.

W. Atlee Burpee & Co., Philadelphia, Pa.—"Wholesale Catalog for Seedsmen" and Dealers only who buy to sell again." You can't beat it. Send for a copy.

L. E. Williams, Exeter, N. H.—Price List of Collected Native Trees, Shrubs and Plants, 1911. Native material is coming to its own and this is a good list.


J. K. Alexander, East Bridgewater, Mass.—Catalogue of Dahlias. Mr. Alexander claims to be the "Eastern Dahlia King." It is a pretty fine catalogue and we see no reason to "insurge."

Daniel A. Clarke, Fiskeville, R. I.—Clarke's Hardy Flowers for Spring, 1911. As usual, a neat and comprehensive pocket guide to the really good things in hardy shrubs and perennial border plants.

Johnson Seed Co., Philadelphia, Pa.—Wholesale Price List of Vegetables and Flower Seeds—principally the former. Cover shows a hilarious old gentleman—stage farmer—balancing on his hand a tomato nearly as big as his head. It must be a crackerjack. Contents normal.

C. C. Morse & Co., San Francisco, Cal.—Garden Guide for 1911. A splendid list of plants, trees and vegetable and flower seeds; 132 pages, profusely illustrated. Covers in colors—Golden Cream corn and Tom Watson melon on front, and sweet peas Marie Corelli, Ethel Roosevelt and W. T. Hutchins on back.

Weeber & Don, New York City—Catalogue of Garden, Farm and Flower



**The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS**

PRIMULA OBCONICA GIGANTEA

The most improved form of this valuable flower, rich in colors, size of bloom and luxuriant in growth. Seeds should be sown in February to produce the best plants.

Fresh Crop Seeds Just Arrived.

In colors separate: Pale Lilac, Pink, Deep Crimson, Pure White, and all colors mixed. Trade Pkt. 50c.

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co., 518 Market St., PHILA., - - PA.

Seeds for 1911. A complete and attractive publication, worthily representing this well-known house. Cover in pale pea green with lettering in red and white, quite distinctive in appearance. Portrait of the Don tomato on back cover page.

Arthur T. Boddington, New York, N. Y.—Florists' Winter and Spring Catalogue of Seeds and Bulbs for Forcing and Planting. A business publication from a popular business house. The "Seal of Quality" adorns the title page and crowns the product sent out to those who properly read and assimilate the facts communicated between its covers.

Conard & Jones Co., West Grove, Pa.—New Floral Guide, 1911. Rose My Maryland in natural colors occupies the place of honor on the title page of this interesting catalogue. The reproduction is very true to nature as is that of American Pillar rose which is the subject of an insert plate. The contents are of a character to interest and enthrall the amateur rose lover.

McHutchison & Co., New York—"Just Bays." This is an album of 37 fine half-tone illustrations of bay trees singly and by the acre—standards, pyramids and columns—bound in purple covers and should be in the hands of every wholesale house, with whom this firm deals exclusively, selling nothing to retail dealers. This book should be an incentive to the wholesale houses to push the sale of Bays more than they have done, through their salesmen, travelers and catalogues. The demand is increasing enormously.

Henry A. Dreer, Philadelphia, Pa.—Dreer's Garden Book, 73rd Annual Edition, 1911. This is a work of nearly 300 pages and is an excellent exponent of the methods and business of this noted establishment. The cover is simple and dignified, gold letters and green plaque on pale gray background with no attempt at display, but there are a number of inserts showing flowers and vegetables in natural colors. The arrangement of illustrations and text is beyond criticism and an immense amount of valuable information for the garden lover is given in concise and readable style. Many new things of sterling promise are listed. The plant department will be found especially interesting.

The Blue Book.

Howard M. Earl and W. Atlee Burpee are to be congratulated. We place Mr. Earl first in this instance, as we have reason to believe the whole book is a child of his brain—with the exception of the introductory page, which is in Mr. Burpee's own inimitable style. This is certainly one of the achievements of the year, in seed trade circles. Over forty pages are devoted to florists' specialties—and no florist can afford to overlook this splendid compendium of all the latest and best. We hasten to accord our small tribute of merited esteem and admiration for this admirable publication.

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

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For Cold Frames

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Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.; Ounce, \$5.00
Finest Mixed	" " 60c.; " 4.00
Crimson	" " 60c.; " 4.00
Canary Yellow	" " 60c.; " 4.00
Dark Blue	" " 60c.; " 4.00
Deep Blood Red	" " 60c.; " 4.00
Apple Blossom	" " 60c.; " 4.00
Rose	" " 60c.; " 4.00
Light Blue	" " 60c.; " 4.00
Scarlet	" " 60c.; " 4.00

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An Improved Form of the beautiful Scarlet Barberton Daisy, originating with A. Jaenke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.

"Superbloom" Valley Pips

Special Forcing Grade, \$12.00 per 1000 in cases of 2000 pips; also all other flower seeds and bulbs for florists and gardeners.

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We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

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LITTLE BEAUTY
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WHITE BEAUTY.
Strong 2 1/2-in. pots
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Send for our Elegant 104 page Seed Annual and also Wholesale Gardeners' List. FREE.

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Gradus, Thos. Laxton, \$10.00 per bu.;
Ameer, \$8.00 per bu.

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All highest grade.

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Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:— I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

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C. C. Vale.

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We grow all the standard varieties of field corn. Write for wholesale prices.

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Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

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Stocks, Asters, Chinese Primulas,
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The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
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Flowers or Design Work

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ON TELEGRAPHIC ORDER

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Of Interest to Retail Florists

Portland, Ore.—Mr. Lubliner, florist,
is now in his new store at 109 Sev-
enth street.

Santa Rosa, Calif.—Miss Margaret
Butts is now in a larger store at 410
Fourth street.

Athens, Ga.—The Athens Floral Co.
has moved to 124 Jones avenue, where
they will have more space.

Boston, Mass.—The engagement of
William Penn, the Bromfield street
florist, and Miss Sopha Rosenbush is
announced.

Philadelphia, Pa.—The store of Wil-
liam C. Smith, 24 South 60th street,
has been taken over by Wm. H. Han-
ser, formerly foreman for Mr. Smith.

Chicago—Mrs. E. Morton has sold
the retail business known as Morton's
Flower Shop at 206 E 58th street. Its
present owners are Mathews & Co and
it will be known as the Park Flower
Shop.

STEAMER DEPARTURES

Allan.	
Sicilian, Boston-Glasgow...	Feb. 9.
American.	
Oceanic, N. Y.-Shampton...	Feb. 4
St. Paul, N. Y.-Shampton...	Feb. 11
Anchor.	
Caledonia, N. Y.-Glasgow...	Feb. 4
Furnessia, N. Y.-Glasgow...	Feb. 11
Cunard.	
Lusitania, N. Y.-Liverpool...	Feb. 8
French.	
La Touraine, N. Y.-Havre...	Feb. 9
Hamburg American.	
K. A. Vettia, N. Y.-H'm'br'g...	Feb. 4
Cincinnati, N. Y.-Medit'r'n...	Feb. 14
Pennsylvania, N. Y.-H'm'br'g...	Feb. 14
Holland-American.	
Ryndam, N. Y.-Rotterdam...	Feb. 7
North German Lloyd.	
K. Albert, N. Y.-Medit'r'n...	Feb. 4
K. Wilhelm, N. Y.-Bremen...	Feb. 14
Red Star.	
Vaderland, N. Y.-Antwerp...	Feb. 8
White Star.	
Oceanic, N. Y.-Southampton...	Feb. 4
Romanic, Boston-Medit'r'n...	Feb. 4
Laurentic, N. Y.-Liverpool...	Feb. 11
St. Paul, N. Y.-Southampton...	Feb. 11

ST. LOUIS NOTES.

Mr. and Mrs. M. Mitchell, late of
Little Rock, Ark., have bought from
W. C. Smith the store lately vacated
by John Quinn at 1000 N. Grand Ave.
and will open a first class floral es-
tablishment there this week.

A. S. Halsted is out for the nomina-
tion of mayor of Belleville. Mr. Hal-
sted has had some experience as
mayor and should receive the nomina-
tion and then be elected. He is a
prominent member of the Florist Club
and the members wish him success.

Visitors in town the past week were:
Ed. Winterson and James Stevens, of
Chicago florists' bowlers, attending
the annual session of the American
Bowling Congress; W. W. Randall, of
A. L. Randall & Co., Chicago; Mr. and
Mrs. Paul Berkowitz, Phila., Pa.; A. C.
Canfield, Springfield, Ill.; E. W. Guy,
Belleville, Ill.; G. Ford Ferwerda, rep-
resenting Van Meerbeek & Co., Hille-
gom, Holland.

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In Brooklyn and other Long Island Points
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FLORIST
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Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

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Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

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In Quality and Design

Can be relied upon when you transfer your
retail orders to

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194 Boylston Street, Boston

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JACOB SCHULZ,
550 South Fourth Ave.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

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Anything you need in the line of Florists' Supplies we can furnish. Send to us. Catalogue on request.

H. BAYERSDORFER & CO., 1129 ARCH STREET PHILADELPHIA, PA.

PERSONAL.

A. Christianson is now with Blome Bros., Chicago, Ill.

Charles Morby has resigned his position with the Leo Niessen Co., Philadelphia, Pa.

Ambrose Campbell has succeeded Arthur S. Pett as head florist for McDonald & Steele, Crawfordsville, Ind.

W. C. Kaber, of Kaber Co. florists, La Porte, Ind., has gone to Overland, Calif., to grow salvia seed for the trade.

Geo. Echter, formerly gardener for A. M. Le Grand, Milwaukee, Ore., is to engage in business for himself and a greenhouse will be built in the spring.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

Emil Hansen of Colonial street, Oakville, Conn., has accepted a position with Alexander Dallas at his new greenhouse.

Henry Patry is now employed by S. J. Reuter & Son, Westerly, R. I. He was formerly with John F. Wood of Providence.

W. H. Waite, formerly in charge of the Untermeyer place at Yonkers, N. Y., is to take charge of the Vaughan nurseries and greenhouses at Western Springs, Ill.

Vernon L. Sherwood, of Boston, has taken a position on the estate of E. A. Little, president of the Sorosis Shoe Co., at Lynn, Mass. Later on he will have charge of Mr. Little's new estate at Clifton recently acquired, which is to be developed into a fine modern place with glass houses and gardens.

Buffalo Visitors—Arnold Ringier, representing W. W. Barnard Co., Chicago; Wm. Keller and George B. Hart, Rochester, N. Y.

Cincinnati Visitors—Milton Alexander, representing Lion & Co., New York; Matthew Ruxton, representing F. Netschert, New York.

Boston visitors—William Mackay, Newport, R. I.; L. B. Coddington, Murray Hill, N. J.; W. G. Badgley, Chatham, N. J.; Isaac S. Hendrickson, Floral Park, N. Y.; L. J. Reuter, Westerly, R. I.

New London, Iowa.—J. P. Hurley has purchased the Fye Greenhouses and will take possession the first of March.

NEW FLOWER STORES.

Denver, Colo.—F. X. Goeschl, Symes Block.

Uniontown, Pa.—Jas. Laskey, Penn. Railroad Depot.

Pittsburgh, Pa.—G. & J. W. Ludwig, 502 Federal street.

Oakland, Cal.—Chas. Fitz & Co., Claremont avenue.

Sisterville, W. Va.—E. Houston & Son, Morrison Building.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dadds, N. E. cor. 4th St. and Madison Ave.

Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

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Dana Hall, Walnut Hill and Rockridge Hall Schools. TAILBY, Wellesley, Mass.
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DAFFODILS, Golden Spur.

\$4.00 per 100 - \$35.00 per 1000.

TULIPS.

\$3.00-\$4.00 per 100.

VALLEY,

\$3.00-\$4.00 per 100.

EASTER LILIES,

\$1.50 per doz., \$12.00 per 100.

BUSINESS HOURS, 7 A. M. to 8 P. M.

The Leo Niessen Co.**WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

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Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**PETER REINBERG**
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CUT FLOWERS

Greenhouses, - Morton Grove, Ill

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FLORIST**

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The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

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WELCH BROS.AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO Feb. 1	WIN CITIES Jan. 24	PHILA. Jan. 31	BOSTON Feb. 2
Ara. Beauty, Fancy and Special	50.00 to 60.00	40.00 to 50.00	62.00 to 75.00	50.00 to 75.00
Extra	40.00 to 50.00	10.00 to 40.00	50.00 to 60.00	30.00 to 40.00
No. 1	25.00 to 35.00	15.00 to 30.00	35.00 to 45.00	15.00 to 25.00
Lower grades	10.00 to 20.00	6.00 to 15.00	25.00 to 35.00	6.00 to 10.00
Bride, 'Maid, F. & S.	10.00 to 12.00	8.00 to 10.00	8.00 to 10.00	8.00 to 12.00
Lower grades	5.00 to 7.00	4.00 to 8.00	6.00 to 8.00	4.00 to 6.00
Richmond, Chateauf, Fancy & Special	10.00 to 12.00	8.00 to 10.00	15.00 to 20.00	13.00 to 25.00
Lower grades	6.00 to 8.00	5.00 to 8.00	6.00 to 10.00	4.00 to 10.00
Killarney, My Maryland, Fan. & Spl.	10.00 to 12.00	8.00 to 12.00	12.00 to 15.00	10.00 to 16.00
Low grades	6.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00
CARNATIONS, First Quality	4.00 to 5.00	3.00 to 4.00	5.00 to 6.00	3.00 to 4.00
Ordinary	2.50 to 3.50	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	10.00 to 15.00	6.00 to 10.00	75.00 to 100.00	40.00 to 60.00
Cypripediums	15.00 to 20.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
Lilies, Longiflorum	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	8.00 to 10.00
Lily of the valley	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00	4.00 to 5.00
Violets	1.00 to 1.50	1.25 to 1.50	1.00 to 1.50	1.00 to 1.50
Mignonette	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Lilac, per bunch	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Tulips	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	1.00 to 1.50
Roman Hyacinths, Paper Whites	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Daffodils	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	1.50 to 2.00
Daisies	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Snapdragon	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Sweet Peas	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gardenias	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Asparagus Plumosus, strings (100)	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00	50.00 to 60.00
" " & Sreen (top hch)	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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37-39 Randolph Street, CHICAGO.**Roses and
Carnations
A Specialty.....****WHOLESALE****GROWER of****CUT FLOWERS****HOERBER BROS.,** 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS GOOD, FRESH STOCKLong Distance Phone
Randolph 2758Telegraph, Telephone or
Bring in Your Orders.We Grow Our
Own Flowers**Roses and Carnations Our Specialty**

Flower Market Reports

BOSTON

There has not been any very noticeable change in market conditions here as seen in a general way for the past two or three weeks. But the extreme scarcity of roses which still exists practically unabated fixes the conviction on the wise observer that when the pendulum swings the other way, as it is liable to do under certain weather movements, the situation from a surplus standpoint will be just as acute as it is just now from a famine standpoint. Of carnations this is undoubtedly more true as an actuality due almost any day. Already the carnations are quite abundant, and as a rule amply sufficient for all needs; but prices hold their ground unchanged thus far. Violets, which were beginning to move nicely, are held up just now by the keen wintry weather. There is a marked increase in quality and quantity of tulips, daffodils and other spring bulb flowers. Gardenias are scarce and high. Cattleyas abundant and inferior. Welch Bros., who are a good barometer of New England's wholesale flower trade movements, report the best January business in their history.

BUFFALO

Trade busy. Spring-like weather the past week and very little scarcity in the cut-flower line except on roses. Roses of all colors and grades are still on the short side. Spring flowers come in more plentiful and have sold well, especially Trumpet Major daffodils. Lilies were a good help out, also the light varieties of carnations and prices have held firm. Violets, lily of the valley and peas were in better demand than a week previous. Very few Beauties are seen and those are of poor quality. Richmonds are fine and not enough can be had at times. Too much smilax and not enough other greens.

CHICAGO

There is slight change in the condition of the market from that reported last week and what little there is, is not in the way of improvement. The shortage of stock is a universal cry here, the growers having brought everything possible into bloom for the holidays and finding their plants off crop. The cloudy weather during December had made it necessary to use all helps possible to bring out the blooms and the reaction is now following. One of the largest rose growers has not cut any Killarneys for weeks and does not expect to before March 1st. The carnation situation is almost as bad and there is no probability of any immediate change. Beauties are in short supply also though some growers are cutting a fair quantity, especially in the medium lengths.

Miscellaneous stock, while not especially abundant in any one line, aggregates sufficient to help out. A couple of weeks of sunshine would be more than appreciated by the growers in and about Chicago.

Sweet pea growers are pleased so far with the season's business. The scarcity of other flowers is in their favor and also the fact that the stock is excellent.

CINCINNATI

Business the past week lacked the snap and tone that is usual for this season. Receipts of

New Forcing Irish Rose "MELODY"



The very best yellow rose today, a splendid introduction, a beautiful color, good sized buds and long stems, an exceptionally free bloomer, as free in winter as Maryland is in summer. To appreciate and know its value one should see it growing. A visit to our growers (R. Scott & Son) will convince everyone of its wonderful future.

Own Root Plants: 2½ inch pots

Each	Doz.	25	50	100	250	1000
\$0.75	\$6.00	\$10.00	\$17.50	\$30.00	\$70.00	\$250.00

STOCK LIMITED. ORDERS FILLED IN ROTATION

We offer also "Double Killarney"
and other new roses and carnations.

S. S. PENNOCK - MEEHAN CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Av.

WHOLESALE FLOWER MARKETS.

WHOLESALE FLOWER MARKETS.—						PER 100. —TO DEALERS ONLY.			
ROSES	CINCINNATI		DETROIT		BUFFALO		PITTSBURG		
	Jan. 31		Jan. 31		Jan. 31		Jan. 31		
Am. Beauty, Fan. and Sp.	15.00	to 25.00	25.00	to 35.00	30.00	to 50.00	40.00	to 50.00	
Extra	10.00	to 12.00	20.00	to 25.00	15.00	to 20.00	20.00	to 30.00	
No. 1	4.00	to 7.00	15.00	to 20.00	10.00	to 15.00	10.00	to 15.00	
Lower grades	4.00	to 10.00	4.00	to 12.00	5.00	to 7.00	5.00	to 8.00	
Bride, 'Maid, F. & S.	6.00	to 8.00	6.00	to 10.00	10.00	to 12.00	6.00	to 8.00	
Low. gr.	4.00	to 5.00	4.00	to 6.00	6.00	to 8.00	3.00	to 4.00	
Richmond, Chateauf, Fancy & Special	6.00	to 8.00	7.00	to 12.00	.....	to 15.00	8.00	to 12.00
Lower Grades	4.00	to 5.00	4.00	to 6.00	6.00	to 10.00	6.00	to 10.00	
Killarney, My Maryland, Fan. & Spl.	6.00	to 8.00	6.00	to 10.00	10.00	to 15.00	8.00	to 12.00	
Low. Grades	4.00	to 5.00	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00	
CARNATIONS, First Quality	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	.....	to 4.00
Ordinary	.....	to 3.00	2.50	to 3.00	2.00	to 3.00	1.50	to 3.00
MISCELLANEOUS									
Cattleyas	.....	to 5.00	.....	to 50.00	50.00	to 60.00	.....	to 75.00
Cypripediums	.....	to 10.00	.....	to 10.00	10.00	to 15.00	.....	to 15.00
Lilies, Longiflorum	10.00	to 15.00	12.50	to 15.00	12.00	to 15.00	.....	to 12.00
Lily of the Valley	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	
Violets	.25	to .50	1.00	to 1.50	.50	to .75	.50	to .75	
Mignonette	4.00	to 6.00	6.00	to 8.00	3.00	to 4.00	.....	to 6.00
Lilac, per bunch	.....	to 1.00	.....	to 1.00	.....	to 1.50	.....	to 1.50
Tulips	4.00	to 6.00	4.00	to 5.00	3.00	to 4.00	2.00	to 4.00	
Roman Hyacinths, Paper Whites	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	3.00	to 4.00	
Daffodils	5.00	to 6.00	4.00	to 5.00	3.00	to 4.00	5.00	to 6.00	
Daisies	.75	to 1.00	1.00	to 2.00	.....	to 1.00	1.00	to 3.00
Snapdragon	8.00	to 10.00	.....	to 10.00	.....	to 10.00	6.00	to 8.00
Sweet Peas	.50	to 1.00	1.00	to 2.00	.50	to 1.00	.50	to 1.00	
Gardenias	.....	to 1.00	.....	to 50.00	40.00	to 50.00	.....	to 30.00
Adiantum	.....	to 1.00	1.00	to 1.50	.50	to 1.50	.....	to 1.50
Smilax	12.00	to 15.00	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	25.00	to 30.00	40.00	to 60.00	30.00	to 50.00	
" & Spreng. (100 bchs.)	.....	to 25.00	25.00	to 30.00	35.00	to 50.00	30.00	to 50.00

roses and carnations were very light, but sufficient for requirements. A few days of warm sunny weather helped to increase the supply a fraction, the latter part of the week. Beauties are cleaning up nicely with the shorter and medium grades having the preference. In other roses white are most plentiful. Carnations are producing more freely than roses. There is an excellent call for white and Enchantress, so that it is not always possible to supply these. The market is well supplied in all other lines except daffodils and tulips of which there is

only a limited quantity. Paper whites and Roman hyacinths are cleaning up nicely at fair prices. Sweet peas meet with a ready sale. Receipts of both single and double violets are sufficient, and while clearance are made price is lower than it should be. Callas and longiflorums are in moderate supply and active demand. Lily of the valley is abundant and finds a poor market. The supply of asparagus is ample and the call for smilax is improving.

(Continued on page 155)

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 A Full Line of All CUT FLOWERS.
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Jan. 28 1911	First Half of Week beginning Jan. 30 1911
American Beauty, Fancy and Special.....	40.00 to 60.00	40.00 to 60.00
" " Extra.....	30.00 to 30.00	20.00 to 30.00
" " No. 1.....	10.00 to 15.00	10.00 to 15.00
" " Lower Grades.....	3.00 to 6.00	3.00 to 6.00
Bride, 'Maid, Fancy and Special.....	6.00 to 12.00	6.00 to 10.00
" " Lower Grades.....	2.00 to 3.00	2.00 to 5.00
Richmond, Chatenay, Fancy and Special.....	6.00 to 12.00	6.00 to 12.00
" " Lower Grades.....	2.00 to 4.00	2.00 to 4.00
Killarney, My Maryland, Fancy and Special.....	6.00 to 12.00	6.00 to 10.00
" " Lower Grades.....	2.00 to 4.00	2.00 to 6.00
Carnations, First Quality.....	3.00 to 4.00	3.00 to 4.00
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00

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SIEBRECHT & SIEBRECHT
Wholesale Florists
 Phone 8346 Madison Square
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Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
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Wholesale Florist
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 Shipments, any quantity, Whole-
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Fresh Cut Evergreens, Mosses.
Southern Smilax, Galax and Leucothoe.
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Hardy Fancy Fern Our Specialty

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Brooklyn's Foremost and Best

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Tel. 4501 Main

Flower Market Reports

(Continued from page 153)

Unfavorable weather conditions for counter sales and an increased supply of so-called spring flowers has eased up the stringent situation previously reported. Your editorial comparison of market reports was read here with great appreciation and pointed out two very much needed reforms growers and wholesalers should adopt. First, a careful study of these reports as they appear in the various trade papers. Second, the establishment of some system which brings about a quick interchange of goods, avoiding thereby glut in one place and shortage in another. It is a difficult problem at first sight but can be mastered nevertheless after a little study.

NEW YORK Tendencies in this market are decidedly downward on most cut flower staples, roses alone excepted, and even these are no longer in the famine class as they were two weeks ago. Teas are gradually coming back again into crop, but American Beauties are not abundant and there are many inferior buds. Violets are the main reliance of the street man on all mild days and per contra the street man are the main reliance of the violet for the store demand would not absorb one-tenth of the daily product, which is now rapidly augmenting. Carnations are increasing right along and prices are dropping. Almost nothing was heard of "McKinley Day" here. The cattleya market is stocked full and the quality of the blooms averages inferior, especially on Trianaes which run very small in a majority of receipts. Gardenias are again scarce, bulbous flowers and other spring blooming material abundant and moving rather sluggishly.

PHILADELPHIA The scarcity which has been so pronounced recently, has been relieved a little the past week by the lengthening of the days and improved tone in production after the crop exhaustion of the holidays, and the market is now in pretty fair shape. Demand keeps up satisfactorily. American Beauty roses are a little more plentiful. Killarney is of very good quality and the supply is good. Maryland comes in as a good second in this class. White roses are still in strong demand, but the supply is not over abundant. McKinley Day caused a small flutter in the carnation market, but this event coming as it

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

Cattleyas.....	20.00	to	40.00
Cypripediums.....	8.00	to	12.00
Lilies, Longiflorum.....	8.00	to	10.00
Lily of the valley.....	1.00	to	3.00
Violets.....	.20	to	.50
Mignonette.....	2.00	to	8.00
Lilac, per bunch.....	.35	to	.75
Tulips.....	3.00	to	4.00
Roman Hyacinths, Paper Whites.....	1.00	to	1.50
Daffodils.....	1.00	to	1.50
Daisies.....	.50	to	1.00
Snapdragon.....	3.00	to	6.00
Sweet Peas (per 100 bunches).....	4.00	to	10.00
Gardenias.....	30.00	to	40.00
Adiantum.....	.75	to	1.00
Smilax.....	8.00	to	12.00
Asparagus Plumosus, strings.....	20.00	to	20.00
" " & Sprea (100 bchs).....	15.00	to	25.00

Last Half of Week
ending Jan. 28
1910

First Half of Week
beginning Jan. 30
1911

did, on a Sunday, the dealers did not profit from the observance of the day as they otherwise might. The quality of carnations is excellent and they are if anything a little more abundant. Gardenias continue scarce and the prices remain rather stiff, with the demand good. Orchids are scarce. The principal subjects at present are Cattleya Mossiae, Oncidiums, Vandas and Dendrobiums. Violets are plentiful and demand improves, but there is likely to be some dearth for Easter as it comes rather late for this crop (April 16). Easter lilies remain scarce and the short supply of these helps the demand for callas. Most of the minor items remain unchanged. There is no dearth of greens, all the staples being in good supply. There is much complaint about the "Mexican Ivy" proving a poor shipper and some of the dealers declare they intend crossing it off their list (promising and novel as it has been), on account of the losses and dissatisfaction.

ST. LOUIS Everything in the market had a splendid run last week, the scarcity of the week previous still continuing in roses and carnations and prices remaining high on these. Roses have been so scarce that nothing in teas are sold under \$10 to \$12.50 for fancies and \$5 to \$6 for poor stock. Carnations are still up, although McKinley Day, coming on a Sunday did not bring much extra business. The mid-season school graduating caused quite a demand for stock of all kinds. Violets are having their time just now. More than the demand can eat up are coming in daily and the market has an over supply. All bulb stock sells well. Lilies and callas bring \$15 per 100.

Indianapolis, Ind.—Edwin E. Temperley, 5306 College avenue, may erect additional glass near Broad Ripple.

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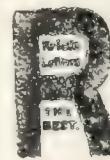
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N. F. McCarthy, Mgr.

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W. J. COWEE, BERLIN, N. Y.

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E. A. BEAVEN

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

ADIANTUMS

Adiantum cuneatum and *Farleyense*, large clumps from bench, \$8.00 per 100; \$75.00 per 1000. Cash, please. Albert F. Amling Co., Maywood, Ill.

AGERATUMS

Ageratum Stella Gurney R. C., 50c 100; \$4.00 1000. Cash.

J. P. Cannata, Mt. Freedom, N. J.

Ageratum Stella Gurney, 2½ inch, 2c.; rooted cuttings, 50c. 100; 10 per cent. discount till Feb. 10. No better stock can be produced. Cash. C. H. Jacobs, Westfield, Mass.

ALTERNANTHERAS

Alternanthera Brillantissima and *Aurea Nana*, rooted cuttings, 60c. per 100; \$5.00 per 1000. Leonard Long, Oakhurst, N. J.

ALYSSUM

Double giant alyssum, 70c per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

AMPELOPSIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

ANTIRRHINUMS

Sutton & Sons, Reading, England.
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ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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Asparagus plumosus, fine 3-in., \$5.00 per 100; 2½-in. Sprenger, \$2.00 per 100. Weber Bros., Ironton, Ohio.

ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.
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Herbert & Fleishauer, McMinville, Ore.
Oregon-Grown Aster Seed.
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The Crego Aster is the biggest money-maker for the florist of any aster grown. Buy direct from introducer. Colors: White shell pink, rose pink and blue. ½ oz. \$1.00, 1 oz. \$2.00, ounce \$4.00. Cash with order. G. S. Crego, 736 E. Main St., Portland, Oregon.

AZALEAS

Henry A. Dreer, Philadelphia, Pa.
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P. Ouwerkerk, Hoboken, N. J.
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John McKenzie, North Cambridge, Mass.
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BAY TREES.

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Bobbinck & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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BEDDING AND GREENHOUSE STOCK.

Dreer's mixed double Petunias, Princess Alice Stock, Snapdragon, mixed Coleus, Lobelia Kathleen Mallard, 2 in., \$2.00, 100; 3 in. double Alyssum, \$4.00, 100; Pelargoniums, Rose Geraniums, 2 in., \$4.50, 100; 4 in., \$10.00, 100; Geraniums R. C., \$11.50, 1000; \$1.25, 100; 2 in., \$2.00, 100; \$18.00, 1000; Poitevine, Castelaire R. C., \$1.40, 100; \$13.00, 1000; English Ivy R. C., \$1.00, 100; unrooted, 70c., 100; \$6.50, 1000. Stock plants, Chrysanthemums, \$3.00, 100; Stock Poinsettias, \$6.00, 100; 75c. doz. Cash. Port Allegany Greenhouses, Port Allegany, Pennsylvania.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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John McKenzie, North Cambridge, Mass.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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New England Nurseries, Inc., Bedford, Mass.

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Bobbinck & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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BULBS AND TUBERS—Continued

John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.

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E. S. Miller, Wading River, N. Y.

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Wm. Elliott & Sons, New York, N. Y.
Begonias and Gloxinias.

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CACTI

Cacti Free. The most wonderful plant grown. I live where they grow and make a specialty of collecting for dealers at low wholesale rates—\$3.00 per 100 up. A fine \$5.00 specimen given free with first order for 100. Price list and large pkt. of Cacti seeds for 5 cts. in stamps. Order at once. Mrs. S. L. Pattison, Wholesale and Retail Dealer in Cacti, Mesilla Park, New Mexico.

CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

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Carlman Ribsam, Trenton, N. J.
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Wood Bros., Fishkill, N. Y.

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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

One million cannas, \$7.00 per 1000 and upwards. Also dahlias, gladioli, irises, etc. Send for new list, over 100 kinds. Shell-road Greenhouses, Grange, Baltimore, Md.

Cannas, 2 to 3 eyes, dry roots. Louisiana, Pennsylvania, \$1.25 per 100. Austria, Italia, 60c. per 100. Cash. Wm. Bierstadt & Son, Springfield, Ill.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.

Two New Carnations.

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Chicago Carnation Co., Joliet, Ill.

Carnation Washington.

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Harlowarden Greenhouses, Greenport, N. Y.
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Shepard's Garden Carnation Co., Lowell, Mass.

Rooted Cuttings.

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S. J. Reuter & Son, Inc., Westerly, R. I.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

Sangamo carnation cuttings, \$6.00 per 100, \$50.00 per 1000, or will exchange for Pink Delight or Dorothy Gordon cuttings. Rolf Zettitz, Lima, Ohio.

Rooted carnation cuttings. Victory, Beacon and Pink Imperial, \$3.00 per 100; \$25.00 per 1000. Cash. David A. Dean, Baldwin, L. I., N. Y.

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CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Elmer D. Smith, Adrian, Mich.
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Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemum Stock Plants. Early Snow, Kalb, Poehlmann, Eaton, Nonin, Baby Margaret, Gloria, Duckham, M. F. Plant, Leo (Pink Pompon), Cullingfordii, Georgianna Pitcher, Nagoya, etc., \$3.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 60c. per doz., \$4.00 per 100; Mrs. Wm. Wincott (White) and Mrs. A. R. Peacock (Pink), 1910 Novelties, \$1.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

CHRYSANTHEMUM STOCK PLANTS. All ready now. **OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA, \$3.00** per 100; \$20.00 per 1000 assorted. **POEHL MANN, GOLDEN EAGLE, CHADWICK** and **YANOMA \$4.00** per 100; \$30.00 per 1000. **PRES. TAFT, white, MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00** per 100. **I. M. RAYNER, Greenport, N. Y.**

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Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch \$2.00 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Coleus, 2½ inch, \$15.00 per 1000. B. C. \$4.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

Coleus, a grand collection, named, 70c. per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

Coleus, rooted cuttings, 17 varieties, \$4.00 per 1000, 60c. per 100 by mail, cash. C. Schulze & Son, 261-275 Lawrence St., Flushing, N. Y.

Coleus, rooted cuttings, \$4.00 per 1,000. Fowlerville Floral Co., Flushing, N. Y.

CUPHEAS

Cuphea (cigar plant), \$1.00 per 100; \$8.00 per 1000. We pay express charges on all rooted cuttings. Satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

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Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Thomas Roland, Nahant, Mass.
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DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

DAHLIAS — Continued

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

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Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena indivisa, fine stock for growing on, from 2 in. pots, \$2.00 per 100; 2½ in., \$2.50 per 100. Cash. Wettlin Floral Co., Hornell, N. Y.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

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New England Nurseries, Bedford, Mass.
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Eastern Nurseries, Jamaica Plain, Mass.
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FERNS

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H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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A. N. Pierson, Cromwell, Conn.
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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Neph. Whitman and Scotti from 2½ inch pots, \$3.00 per 100. Runners from bench, \$15.00 per 1000. Scholze, 2½ inch, \$5.00 per 100. Leonard Long, Oakhurst, N. J.

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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FEVERFEW

Feverfew Little Gem, the best, \$1.25 per 100, \$10.00 per 1000. We pay express charges on all rooted cuttings. Satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS SUPPLIES

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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FLOWER POTS

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUCHSIAS

Skidelsky & Irwin, Philadelphia, Pa.

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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Otis F. Searles, Nashua, N. H.

Geranium Cuttings.

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Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poltevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums from 2½ in. pots, S. A. Nutt \$18.00, Ricard \$20.00 per 1000; large well grown plants, satisfaction guaranteed. Stock plants, \$5.00 per 100. Quaker Hill Nurseries, Monroe, N. Y.

10,000 extra strong rooted cuttings now ready; single Grant, dazzling scarlet, most free flowering bedder, \$7.00 per 1000 to close out. Cash. N. A. Corlin, Elberon, N. J.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

America gladioli bulbs ready for shipment. Write for prices. B. B. Currier, Seabright, Cal.

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Boston Plate & Window Glass Co., Boston
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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GLASS—Continued

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

Loru & Burnham Co.,

1133 Broadway, New York.

A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moulnger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Peky Cypress for Benches.
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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

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Florists' Hall Assn. of America.

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HELIOTROPES.

Heliotropes, extra fine stock, for immediate delivery, 2 in., \$2.00 per 100. Cash W. H. Rosenbauer, R. D. 3, Sewickley, Pa.

Heliotropes, 2 1/2 inch, 2 1/2 inch, rooted cuttings, 75c per 100; 10 per cent discount given until Feb. 10. No better stock can be grown. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

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James Backhouse & Son, Ltd., York, England.

Alpine and Herbaceous Plants.

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IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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The Bate Evaporator.

IRIS

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German and Japanese Iris.

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IRIS—The very best out of 500 sorts.

C. Betscher, Canal Dover, O.

IVIES

English Ivy, large leaves, 3 in. pots, fine plants, \$5.00 per 100; \$45.00 per 1000. Wm. Schwan & Son, Fredonia, N. Y.

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

JACK FROST MATS

Wm. Elliott & Sons, New York.

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"Buds," New York, N. Y.

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LOBELIAS

Lobelia Kathleen Mallard, the new double. Rooted cuttings taken in September and kept growing on in soil, large plants for 2 or 3-in. pots, 75c 100, by mail; \$5.00 1000, express. Chas. Whitton, 29 York St., Utica, N. Y.

NATIONAL FLOWER SHOW HEADQUARTERS

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NIKOTEEEN APHIS PUNK

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Direct Importations.

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TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS

Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00, by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

ONION SEED

N. J. Westerman, Buechel, Ky.

Schilder Bros., Chillicothe, Ohio.

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ONION SETS

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Fresh Imported and Established Orchids.

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Ordenez Bros., Madison, N. J., Box 105.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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Orchids—largest stock in the country.

Stove plants and Crotons, finest collection

Julius Roehrs Co., Rutherford, N. J.

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Edward V. Low, late of Hugh Low &

Co., dissolved, Vale Bridge, Haywards

Heath, England. "White" Cattleyas and

Choice Cypripediums are leading features.

Orchid Growers' Manual. By R. S. Wil-

liams. 300 illustrations, 800 pages; descrip-

tions of upwards of 2500 species and varie-

ties of orchidaceous plants, etc. The most

complete work on Orchids and orchid cul-

ture ever published. Price \$10.00. Orders

filled by HORTICULTURE, 11 Hamilton

Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PANSY PLANTS

Pansy plants. Small seedlings from seedbed, of finest strains, in mixture, just the thing for transplanting and growing on; by mail, 25c. per 100. Russell Bros., R. R. 4, Syracuse, N. Y.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES

PEONIES—1200 sorts, an enormous stock. 1st ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.
Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

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PIPE AND FITTINGS. Cast iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trelises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

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J. Bolgiano & Son, Baltimore, Md.
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John McKenzie, North Cambridge, Mass.
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Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-grated, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

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John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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Sterling Novelties in Vegetable and Flower Seeds.

A Tomato early in North Dakota ought to be early anywhere. Fish's North Dakota Tomato has, in six years' careful breeding in this climate, increased three weeks in earliness. Good size, fine quality, prolific. 100 seeds, 25 cents. S. E. Fish, Valley City, N. D.

Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

SMILAX

SMILAX. 300 clumps, large, well started. 2c. Cash, please. J. J. Clayton, West Grove, Pa.

SPIREA

Spicea Gladstone for forcing, excellent stock, \$1.00 per doz.; \$8.00 per 100. Currie Bros. Co., 312 Broadway, Milwaukee, Wis.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

STRAWBERRY PLANTS

WARFIELD STRAWBERRY PLANTS for \$1.00 per 1,000; Sen. Dunlap for \$2.00 per 1,000. Catalogue free. 100 varieties. J. G. Prestage, Allegan, Mich.

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VENTILATING APPARATUS

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VENTILATING MACHINERY. New
Model encased, self-oiling gear; Standard
Model Open Gear. Lord & Burnham, 1133
Broadway, N. Y.

VEGETABLE PLANTS

50,000 Grand Rapids and Big Boston
Lettuce plants now ready, \$1.00 per 1000.
Keeney's Greenhouses, Monongahela, Pa.

VINCAS

Vinca variegata rooted cuttings, \$1.00
per 100. Russell Bros., R. F. D. No. 4,
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Wirework. Write for our catalogue
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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

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**The Best
Bug Killer and
Bloom Saver**

**For PROOF
Write to**

**P. R. Palethorpe Co.
OWENSBORO, KY.**

KILMDEAD
The best of all
the tobacco
dusts for

**Dusting or
Fumigating**

25 lbs., \$1.00 100 lbs., \$ 3.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Stump & Walter Co. 50 Barclay St.
New York. ©

**JAGER
SPRAYERS**

are money makers and
moneysavers because they enable you to do the
work right, with little labor and without wasting
solution. We make an outfit for every need, from
large Power Sprayers to small Hand Sprayers—
each the best of its kind. **Special Sprayer Book
Free**, illustrating and describing our complete
line. Investigation pays.
Chas. J. Jager Co., 281-3 Franklin St., Boston, Mass.
Branch: 33 Canal St., Providence, R. I.

*green flies and
black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee
THE H. A. STOOHOFF CO. MOUNT VERNON, N. Y.

**PRATT'S
"SCALECIDE"**

Will positively destroy SAN JOSE SCALE and all
soft bodied sucking insects without injury to the
tree. Simple, more effective and cheaper than
Lime Sulphur. Not an experiment. One gallon
makes 16 to 20 gallons spray by simply adding water.
Send for Booklet, "Orchard Insurance."
B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

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OBITUARY.

J. N. Bailey.

J. N. Bailey, formerly manager of the Buffalo Cut Flower Co., died on Sunday, Jan'y 29, after a year's sickness. He was popular with the craft and many floral remembrances were sent to the bereaved family by members of the trade.

Mrs. John Young.

Mrs. Minnie E. Young, wife of the late John Young who was president of the C. Young & Sons Co., St. Louis, Mo., died on Sunday Jan. 29, after an illness of two months. Mrs. Young was not actively engaged in the business but retained her husband's interest. Mrs. Young was well-known among the local trade as she was head of the outflower department before her husband's death six years ago. She leaves four children and a host of friends in the trade to mourn her loss.

The funeral took place from her late residence, 4928 Forest Park boulevard, St. Louis, on Jan. 31st. The floral display was large and most beautiful.

NEW ORLEANS NOTES.

Abele Bros. are busy preparing for the spring rush of shipping orders of plants and shrubbery, of which they have a large stock.

An unusual sight for New Orleans was the simultaneous window display of four of our leading downtown stores which consisted of quantities of Cattleya Trianae plants in full bloom and of splendid quality.

There is a treat in store for one who visits J. A. Newsham's house of Liliun longiflorum, 100 per cent healthy plants from Louisiana-grown bulbs; these bulbs have been grown so successfully by our city florists the past four years, that it will not be long before the imported article will be discarded altogether.

An ordinance now before our city council known as the "Fly Ordinance" requiring the placing of all manure in air tight receptacles and forbidding the open use of same, promises to work quite a hardship on our city florists and truckers, unless amended considerably before its final adoption. For the purpose of having the ordinance modified a committee composed of P. A. Chopin, J. C. Quinette, and Herman Doerscher were appointed to appear before the council committee having this matter in charge.

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SUPERINTENDENT or head gardener wants position; open for engagement March 1st, 1911, or later; 20 years' experience in the growing of flowers, fruits and vegetables under glass, as well as out of doors. Married. Only first-class position will be considered. State salary and give full particulars in first letter. Private interview desired. T. D., care HORTICULTURE.

Greenhouse assistant, good man in rose house; other experience; understands fires; best references. Y. T., care HORTICULTURE, Boston.

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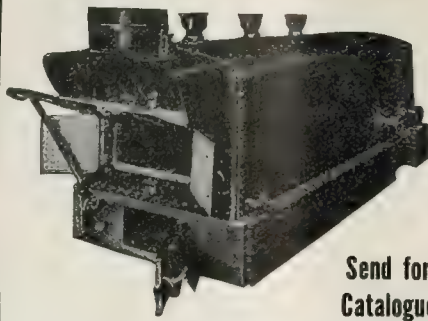
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HORTICULTURE

Vol. XIII.

FEBRUARY 11, 1911

No. 6

L. BRADY
NEW YORK
BOTANICAL
GARDEN



AN ORCHID CORRIDOR
At Bush Hill Park

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Flower Shops as Seen by an American Horticulturist in Europe

Flowers appeal to all of us. Poets have sung their praises, writers and painters have idealized them. In love they convey their message of hope and desire; in pleasure, they inspire us with their beauty; in sorrow they silently express the feelings of the bereaved parent, relative or friend. So it is not surprising that the most beautiful, attractive and prosperous shops, seen in all the cities of the world are the flower shops. When looking in the windows of these shops, one is impressed with the fact that floriculture the world over has made great advancement during the past decade. The writer, having visited nearly every country in Europe, during that period, finds it very interesting and instructive to note the great improvement in culture shown by the growers, and in displaying and selling their products by the flower shops.

The public demand and appreciation of quality in the flower; the taste, skill and artistic boxing, etc., by the retail dealers; rapid transportation for long distances in cool receptacles; the influence of trade papers, leading to closer business relationship; the plan of telegraphic exchange of orders by retailers; the large houses which supply every accessory required by the retailer—these all contribute to the general improvement. Thus the retailer in all large cities, such as London, Paris, Berlin, Vienna and New York have equally beautiful stores, and, practically the same grade of flowers, and the same modes of dressing them in and out of season.

As to product—our American carnationists have given Europe a splendid flower, and they grow it well. Elegant specimens of Enchantress, white and pink, Winsor, Mrs. Patten, Mrs. Bradt and others can be seen and bought all over Europe. Roses such as Richmond, Bridesmaid, Bride, Mme. Cusin, Killarney, Chatenay, Mme. Testout (very fine) and Augusta Victoria are also well grown. Besides these, in mid-winter and towards spring roses are shipped from Italy and the South of France from out of doors. But these show lack of finish in foliage and flower owing to distance and having to be cut as buds and opened in water.

Towards spring and during most of the summer the retailers have a splendid supply of hybrid and hybrid tea roses, grown in cold house, and from out of doors. Grown in this way they are much finer than anything we can produce in America. They also excel us in bulb forcing in every way. Lilacs also, as grown here in Dresden are simply grand—fine long stems, splendid flowers just ready to open and evidently grown cool. Charles X leads in favor but their whites and lilacs are also fine and show the same careful culture. These keep a week in the house after purchasing. This is something our growers should follow, as the buyer wants something that will last a few days for his money. In addition there is an abundance of all the various flowering plants, such as cyclamen, orchids, daisies, azaleas, rhododendrons, bulbs of all kinds, and palms and ferns. The retailer has beautiful flowers and plants in abundance to supply his customers at reasonable prices, and in quality and quantity to satisfy the most fastidious.

John H. Taylor

Dresden.

Angraecum sesquipedale



The illustration shows *Angraecum sesquipedale* flowering in the collection at Duke's Park, Somerville, N. J. (A. A. McDonald, Supt.)

The plant carried eight flowers in all. Seven are seen in the picture and one bud opened later. Flowers are ivory white and have a "spur" twelve to fifteen inches long. Its native country is Madagascar.

The orchid houses at Duke's contain many specimens in good shape, being ably grown by William Garden.

Phalaenopsis

This very fine orchid species is perhaps not as extensively grown as it should be. One of its varieties—*Phalaenopsis amabilis*, has been known for over 150 years, first under the name of *Angraecum album*, later Linnaeus called it *Epidendrum amabile*. It was not until 1825 that Dr. Blume established the new genus and, owing to its resemblance to the moth, called it *Phalaenopsis amabilis*.

Until this time the only plants imported into Europe came from Java and not until some time did any arrive from the Philippines. The first collectors of *Phalaenopsis* not knowing how to pack the plants correctly had great difficulty in getting them to Europe alive. This has now been largely overcome by establishing the collected plants on pieces of wood before shipping.

The culture of the various species is similar. They like a moist atmosphere of from 70-80 degrees by day during the growing season with a few degrees less during the winter. The plants are best grown in shallow pans or baskets, in a mixture of fibrous peat and sphagnum moss. Care must be taken to give them lots of drainage consisting of pieces of charcoal and broken crocks. They are shade-loving plants and are easily injured by the sun's rays. Position has a lot to do with growing *Phalaenopsis* successfully. Often changing them from one end of the same house to the other will

show a marked difference. When you find a place that suits them, keep them there. Where no special house is available for them, they can be grown in the stove-house.

Phalænopses are profuse bloomers and can be kept in flower 6 to 7 months in the year by cutting the flower-stems below the lowest blossom. They will speedily emit side branches which will produce flowers shortly after. The best varieties to grow are: *Phalænopsis amabilis* and *Phalænopsis Schilleriana*. During the last few years a variety has been imported from Java under the name of *Phalænopsis Rimestadiana*. The flowers are like those of *Phalænopsis amabilis* only larger and the foliage a light green. The writer's attention has been called by a large grower of *Phalænopsis* to the fact that this variety will do much better in a little cooler temperature than that required for the other varieties.

Rutherford, N. J.

J. Muller

Fruit and Vegetables Under Glass

FIG HOUSE

To get the maximum crop—or I might say crops—from fig trees they should be started this month or first week in March. The fig is one of the most remarkable trees we have, fruiting on both old and young wood. Being deciduous and the main crop coming from the young wood many neglect the first crop, which is borne on last year's wood. These small fruits can be seen during the resting period, and as soon as a warmer temperature is given them, they begin to swell as the young growth appears.

Another peculiarity of the fig is its flowering period, the fruit being half matured before the hidden flowers open. It is essential that figs have plenty of room on the trellis or, if bush form trees are used, pruning must be done to such an extent as to allow light to penetrate among the massive foliage. When starting keep a temperature of 40 to 45 degrees with usual advance by day and sun heat. Syringe every morning and again after noon if there is sun heat.

VINES BLEEDING

As the sap commences to flow again through the vine and pressure is put on to the cells bleeding at some point which has been cut is not uncommon unless the necessary precautions have been taken. It is obvious to any one what this bleeding means to the vine. It is similar to a cut on a human being; the life blood or sustaining properties are getting away, consequently weakening the growth coming from the spur which is bleeding or if there are several on one rod the whole vine will be weakened. The chief cause of this is late pruning. Probably the sap has commenced to flow again and the cut does not get a chance to heal over. In the case of very early vineries, pruning is better done as soon as the leaves commence to fall, which not only helps the vines to rest but gives time for the cut to seal over. Late vineries should be pruned as soon as the crop is cleared off.

Preventive methods are best adopted for it often proves a fruitless task to try and stop a cut bleeding after it once commences. A special preparation known as Styptic is on the market (manufactured by Thompson & Son, The Vineyards, Edinburgh, Scotland), for applying to the cuts soon after they are made. This seals them over, thus preventing bleeding. Shellac and varnish have also been used, being less effective. It is useless to apply these unless the surface be dry. They

are useless in a case where bleeding has already commenced. Burning the wet surface with a red-hot iron has been called barbarous by some and will injure an eye if used carelessly, but will sometimes dry up a wound so that Styptic can be applied. A small potato pushed over the cut has been known to answer the purpose. Several other remedies have been tried at various times, but when once the mischief is started the chances of stopping it are few, until the leaf expands and uses the sap by transpiration, assimilation, etc.

DISBUDDING POT PEACHES AND NECTARINES

Trees which have set their fruit will now be making growth and some of the growth buds must be removed to prevent overcrowding. Trees should be gone over about three times removing a few fruits each time. Select those buds which have room to grow, keep the center open and keep an eye to the shape of the tree. This is when shape should be made, not by using the knife in winter.

CABBAGE, CAULIFLOWER AND BEET

A flat or two of the above can be sown now and will come in before those grown in the garden. Seedlings can be grown in flats or pots until they are a good size and later transferred to frames to finish. Good results can be obtained from First and Best and Early Snowball cauliflowers, Early Jersey Wakefield and Early of Earlies cabbage, Early Egyptian and Edmand's Early beets. The short-rooted varieties of beet should be grown in preference to the longer ones, being better to handle.

CUCUMBERS

Cucumbers planted the first of the year will now be showing surface roots and will need a top dressing. Give a covering of about two inches, keep young growths tied in and stopped at three or four leaves. Fumigate on very first appearance of fly, which will be making itself known now.

George H. Benson

Mr. Benson's next notes will be on the following: Late Houses; Tomatoes; Mushrooms; Parsley; Peppers. Also we expect shortly to present an article by Mr. Benson on Bees and Their Uses.

Temperature for Mushrooms

Mr. Farrell is right in saying that a temperature near 50 degrees at night is about right for the successful culture of this crop.

One might go further and say that the conditions in a carnation house in winter are ideal for a good crop. Many times we see fine mushrooms coming spontaneously in the benches, and the most wonderful results it has been my good fortune to have, were raised under the benches in a house devoted to carnations. A higher temperature will bring the crop a little quicker if it ever comes, but the chances are against it; a more suitable temperature which might in this case also be called atmosphere, will bring longer crops of better quality.

An employer who has a fine estate in Massachusetts once wrote me in regard to the many failures his gardener had with this crop, and he was told that there was nothing more certain than the uncertainty of a mushroom crop, and it was a pleasure to find afterwards that this did some good. Very many people think that all we have to do is "to sow the seed" as it were and all else will follow.

Dr. Kitchen is a student well known in horticultural pursuits and we are glad to note that he takes up the difficult cases. Let us hope that in future he will give us the benefit of his experience—experiments rather.

There is a suspicion in the mind of the writer that the proposition is akin to that of the good wife when she sets bread to raise, sometimes it doesn't.

E. Cooper

Illinois.

Seasonable Notes on Culture of Florists' Stock

COELOGYNE CRISTATA

This orchid is at its best during February and March and is one of the most useful as a florists' cut flower. Its culture is comparatively simple. A common error is in trying to force it in too warm a temperature. A house where the temperature stands at from 50 to 55 degrees at night will give flowers of a finer quality than when grown warmer. Keep the plants that are in flower rather dry at the roots, for the bulbs have enough of stored up energy to keep the flowers in a fresh state for some time. When these orchids are through flowering any necessary repotting should then be done, but they do better when left undisturbed until the compost has become exhausted, or when they become too dense, and have outgrown their pans or baskets. The best compost is fibrous peat and fresh sphagnum in equal parts. Use plenty of drainage so the compost will not become sour. After repotting place them where they can be kept shaded and rather moist until new roots push into the compost. They should have a free cool atmosphere, with syringing overhead once or twice a day, never allowing them to become dry at the roots in their growing season. Give manure in a weak form about once a week during the season of growth. Don't shade too heavily.

BOUGAINVILLEA FOR EASTER

Plants that are to be in bloom for Easter should now be in a sunny house with a night temperature of about 50 degrees, until they have developed some root action. As the new growth appears the temperature should be slowly raised to 60 or up to 65 degrees if necessary. While under this forcing they will need water in ample quantities both at the roots and in overhead sprinkling. When they get into fairly good growth they will need careful watching so that they do not dry out too quick, a condition which is very liable to produce a few flowers prematurely instead of a full set of bloom. When they are in bloom they will be better if removed to a house several degrees cooler. A gradually hardening off will keep them in order. After the plants have made a fair start weekly doses of liquid manure will be very beneficial.

GARDENIAS

To make these plants bloom freely from now on be careful not to have the roots in too wet or dry condition and guard against all extremes in temperature, which will surely result in the loss of buds and foliage turning yellow. It is indispensable to keep the atmosphere in a fairly moist condition with a night temperature of from 65 to 70 degrees. Now with the increasing sunshine, and if the plants are in a vigorous condition, they should have a top dressing. There is nothing better than cow manure one part, new soil two parts, but don't be too generous in applying this mulch. A half-inch at a time, and then every now and then as they may need it will be better than to indulge in one heavy application. Insects such as greenfly and mealy bug should never be allowed to get a headway. Careful syringing with a good pressure will help to keep them in check. Give frequent fumigation for greenfly. While fire heat is at its maxi-

mum, if stock is needed, propagate now. Insert where there is a bottom heat of 80 degrees and by daily sprayings and keeping close with shade in about 3 or 4 weeks they will have sufficient root to pot off. When potting them use a light sandy soil, and with about a week of nursing in the way of a moist atmosphere with some shade you will have good stock well started.

LILIES FOR EASTER

On all bright days syringe often—say two or three times. Lilies, when making rapid growth in a strong heat, will consume water in great quantities and should never be allowed to suffer for the want of it, while on the other hand they must never be kept in a soggy condition, for no plant will more quickly resent an over supply of water at the roots. As the buds are swelling liquid manure will prove a benefit if applied with caution. Lilies that are just showing their clusters of buds will need but very little forcing to be right for Easter, a temperature of 60 degrees being high enough for the present, but if the buds don't appear by the first days in March they will need a brisk forcing temperature, 70 or 75 degrees. Buds that are in sight the last of February will give time enough for a few days' sojourn in a cool house which always gives gratifying results. It takes about six weeks from the time buds first show until they are fully developed, but of course the weather conditions either help or hinder. Fumigate once or twice a week so as to keep that ever-persisting aphid in check.

PANDANUS

For the filling of baskets and other receptacles, and for other uses too numerable to mention, small and medium sized Pandanus Veitchii are always in demand. We are at the season now when this plant can be most successfully propagated. Where there is bottom heat available the small suckers can be severed from the old plants and placed in sand where they will root quickly. When rooted they can be potted in a mixture of fibrous loam three parts, and well rotted cow manure one part. Grow on in a temperature of from 65 to 70 degrees at night. The best color effect is obtained by judicious exposure to the light, when it is apparent that the plants will stand it.

PELARGONIUMS

Give these plants a situation with sufficient space to enable the air and light to reach all the foliage. Water can be more freely applied from this time on. Until they come into flower they will be helped materially by the use of manure water. Give a night temperature of 50 to 55 degrees. Avoid keeping them too wet, and see that the atmosphere is not kept too close and humid. Never let greenfly get troublesome; fumigate often so as to keep them in check.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Carnations; Ardisias; Ficus elastica; Gladiolus; Hybrid Perpetual Roses; Lily of the Valley in Pots and Pans for Easter.

Cover Illustration

The view presented on our cover page this week furnishes, we think, an excellent suggestion as to the arrangement of blooming orchids for decorative effect. We have frequently inspected orchid houses, well-stocked with beautiful material but, with no attempt at arrangement, the individual plants and flowers were all there was to admire and splendid opportunities for the display of taste and ability to make a fitting setting were neglected. The view shows an orchid corridor in the Royal Nurseries of Stuart Low & Co. at Enfield, near London, England.

HORTICULTURE

VOL. XIII

FEBRUARY 11, 1911

NO. 6

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

 One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To
 Canada, \$1.50.

ADVERTISING RATES

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.

Page and half page space, special rates on application.

 Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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not help towards lasting popularity for the custom. After all the best interests of the carnation growers lie in the steady and regular use of their favorite every day in the year and the more the people come to love the carnation for its own sake the nearer we shall come to this realization.

The mid-winter rose crop

Mention has been made in some of our recent flower market reports of the good fortune coming to certain rose growers whose crop of bloom had matured too late for the holidays but struck it just right for the subsequent weeks of scarcity and continuous good market prices. It would not do, of course, to recommend that all rose growers should bear this in mind and act accordingly next year although it is much to be desired that the crop should be divided—a condition which we all realize would be difficult to bring about. However, it is safe to assume that, as this peculiar scarcity of roses in late January has been experienced with fair regularity for many years, any grower who can without jeopardizing his earlier or later crops so time his midwinter cut as to come in from January 15th on, can safely count on finding a strong market.

United States Standard seeds

The Sixth Section of the Mann Pure Seed Bill provides that whenever the Secretary of Agriculture shall have made public any standards of seed and bulbs, it shall be lawful for seed and bulbs complying in all respects with the standards so published by the Secretary of Agriculture to bear upon the label, together with the name of the article, the inscription "United States Standard." Then follows the penalty clause of fine not exceeding \$1,000 for using such inscription, or words of similar import in any way as descriptive of any seed or bulb, subject to the provisions of this Act which does not comply with the standards so published by the Secretary of Agriculture. The possibility of such legislation being enacted at once raises numerous questions. What shall the standards be? How shall the seedsman know when it is really safe for him to use the inscription "United States Standard"? Shall he maintain a laboratory for the scientific examination and testing of the three or four thousand varieties of seeds passing through his hands, or take the alternative of having the stocks he sells set down as being inferior to government standards? Would the short interval between the time of harvesting seeds and the sowing season be sufficient for cleaning, drying, so that they will not mould when bagged for shipment,—most of our flower seeds now being imported, and for testing as to germination and other qualities demanded by the government standard? Would not the expense of such testing add materially to the actual cost of the seeds to the user, and would he feel any more sure of the "United States Standard" seeds than those he now buys from his pet seedsman? The questions are inexhaustible, but we would not weary you. We will rest for the present by asking only one more. Would the fact that the cultivator had the assurance of the government that his seeds were free from the adulteration of weed or other untrue seeds, of a high standard of vitality and true as to variety prove of prime importance to him? It is common knowledge that the most ordinary strains of both flowers and vegetables are usually of the strongest germination and possess the greatest vigor. Garden seeds are almost always free from weeds and true to their kind. What the cultivator values far more is excellence of type or strain, which is quite beyond the reach of the proposed Mann Bill. Every intelligent florist knows that the finer strains of pansy, stock, primula, cyclamen, petunia, etc., are much more delicate than the common strains, and the same is true of most of the vegetables.

McKinley Day and the carnation
McKinley carnation day seems to be "dying a natural death." This was to be expected as the inspiration back of the movement in its inception was largely local and the popular spontaneity required to make a permanent success of so sentimental a project has never been strongly in evidence. Activity on the part of the florists to create a demand and a supposed readiness to take advantage of the opportunity to increase carnation prices for the occasion certainly did

After Adjournment

"The lack of prompt payments is the canker-worm of the flower business." This remark was made by an observant wholesale dealer recently and it struck us as being worthy of repetition. What do you think?

"I started out the other day to see if I could make some collections," quoth a prominent retail flower dealer. "Took a list of bills aggregating thousands. Collected less than \$60." Flower buyers should be educated up to better habits in the settlement of florists' accounts

We overheard a remark yesterday by one of our observant philosophers which set us a-thinking. He said: "Here's the Rose Society hollering about 'A Rose for Every Garden, a Bush for Every Home,' and then they go to work and advocate 4 cents duty on every rose we import. What do you know about that?"

If those congressmen who resent the seedsmen's opposition to the free seed distribution and consequently sit up late nights concocting retaliatory legislation could only forget their huff, something reasonable might be done in the way of seed laws. There has been entirely too much ill-temper displayed in the discussions on this subject.

We read in the Philadelphia Inquirer that one of the assistants of the Bureau of Botany of the Department of Agriculture at Washington has been conducting a search around Philadelphia, during the past two weeks, for a black rose reputed to have been developed in that neighborhood. Business must be rather slack in the Bureau of Botany?

BRITISH HORTICULTURE.

Preparing for the International Exhibition.

Further details are now available of the International Horticultural Exhibition which will be held in the grounds of the Royal Hospital, Chelsea, in May, 1912. It is announced that the chief horticulturists of the Continent, the Colonies, the United States, Japan and Great Britain, have notified their intention of exhibiting. "Every endeavor will be made," a leading official recently stated, "to render this unique collection as instructive as possible to the general public as well as to the cultivator. The improvements which have been effected in plants of late years will be demonstrated so that it may be generally understood how these improvements have been attained. We shall also draw attention to the best methods of training young horticulturists in this country, on the Continent, and in America. I have seen exhibitions in various parts of Europe, and I believe we shall be able to surpass them all. The most wonderful and brilliant flowers gathered together from all parts of the world and carefully cultivated will be shown; but of course I cannot even hint at the novelties which will be staged. These must remain the secrets of the growers until the time for



This beautiful token was presented to Sam Murray of Kansas City by the employees in his store at the opening

of his new place. It is a model of good taste and charming simplicity in arrangement.

revelation comes. A gentleman in Cornwall promises to show eighteen plants which are entirely new to this country. As showing the increased interest taken in the growing of flowers, it may be stated that at the last international exhibition in 1866, there were 3,389 members of the Royal Horticultural Society; now there are over 12,000."

A New Organization.

There has lately been established the North of England Horticultural Society for furthering the gardening interest in the northern part of this country, with headquarters at Leeds. The object of the new association will be to promote and encourage every branch of horticulture in the North of England, by the arrangement of periodical meetings, shows and lectures, and by any other means approved by the Council. It is not intended that the work shall begin and end with some attractive shows, but that the operations shall be of an educational character. The services of the Rev. J. Bernard Hall, who organized a successful fruit congress at Hexham last October, have been secured as secretary. Mr. J. Hastings Duncan, M. P., who presided at the inaugural meeting, said that to place the society on a firm basis required a great deal of

work, energy and enthusiasm, and he was glad to say that they had found those who were willing to give their time and energy in building up the society. The society extended from Trent to Tweed. The secretary announced that it was intended to issue a monthly circular in order to keep the members in touch with the society's activities.

W. H. A.

ACIDANTHERA BICOLOR.

Editor HORTICULTURE:

I see in HORTICULTURE Frederick Moore writes of *Acidantha bicolor* as a hardy inmate of the garden. It comes from the Cape, I believe, and with me it doesn't stand any cold. The first frost kills the foliage and flowers. It sounds as if he was writing for England where it may be hardy.

Yours truly,

E. S. MILLER.

(Mr. Moore did write of English conditions and we should have qualified his statement before giving it dissemination here but overlooked it.—Ed.)

Illinois, Feb. 6, 1911.

I could hardly think of doing without this splendid horticultural magazine; it fills a long felt want on this subject.

J. S. F

CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

The February meeting of this club was well attended and there was an excellent display of new and meritorious carnations. W. H. Taplin was the speaker of the evening. His paper on "Carnations of Today," we hope to find room for at an early date. It is well worth reading, as Mr. Taplin is a close and intelligent observer and has had special opportunities for giving us the latest on this timely subject—being at the helm in the Dailedouze establishment—a noted place for carnations. The Joseph Heacock Co. showed a vase of Pink Killarney roses very well colored with strong stems, very fine foliage and large flowers. Richard E. Lange sent a vase of White Enchantress, Pink Enchantress, and Pink Imperial carnations, showing fine culture. Peyton M. DeWitt showed three vases of his new carnation Pennsylvania—a cerise which was favorably reported on by the committee and characterized as a good commercial variety. He also exhibited seedling number 17, a white tinted with pink, seedling number 13, a dark cerise, both of which look very promising. Evenden Bros., Williamsport, Pa., exhibited four new seedlings: No. 1 crimson, No. 2 white, No. 3 red, and No. 4 variegated. Florex Gardens sent a seedling of a rather odd color which the committee said they were unable to describe, and which is appropriately named "Mikado"—so our readers can do their best to imagine what a Japanese color is. E. C. Marshall exhibited two vases of Pink Delight, which were very fine. Henry Eichholz showed Princess Charming. E. A. Stroud sent Pink Delight and White Perfection, both very well grown. William Kleinheinz brought a splendid vase of his new seedling Miss Dimple Widener, scarlet, 3½ inches across, cross between Lawson and Lady Bountiful. S. M. Merwarth & Bros. showed a red seedling (also two plants of same), apparently a strong grower and free producer. John Kuhn showed a scarlet seedling, very promising; also some elegant catleyas.

Henry A. Dreer Co. sent an invitation to the club to visit their range of new greenhouses above Riverton, on March 8th, with the privilege of including also the members of our sister clubs—Washington, Baltimore, Boston and New York. The feature for the March meeting will be an illustrated lecture by Mr. King, of the King Construction Co., on "Greenhouse Building." Mr. Thilow, on behalf of Mrs. Colflesh, presented the club with a large framed portrait of her late husband, J. Wm. Colflesh, who was a charter member and for many years the club's treasurer.

CHICAGO FLORISTS' CLUB.

At the regular meeting Feb. 2, there was a large attendance. C. L. Sherer, Max Cohen, W. F. Kroeschell, E. F. Winterson, Jr., and J. Wolniewiez, all of Chicago were elected to member-

ship and five new names were proposed. A. Zeck gave an interesting report of the bowling games played between Chicago and Joliet. P. J. Foley, chairman of transportation committee, reported on arrangements for the trip to the National Flower Show at Boston, March 25 to April 2, as being well under way. The club had as guests from out of town, W. F. Kasting, of Buffalo; C. W. Scott, of New York; Nic Zweifel, of N. Milwaukee, Wis.

There was a very fine exhibit of carnations by the Chicago Carnation Co., consisting of Washington which scored 89 points, scarlet seedling 186-07, 86 points; Princess Charming, 85 points. Nic Zweifel showed a large bunch of Bright Spot, which scored 88 points, while a white seedling No. 274, was given 80 points.

Appropriate resolutions on the death of J. W. Klimmer were read. A special meeting will be held on Feb. 16th to further the plans for the Boston trip.

WESTERN NEW YORK HORTICULTURAL SOCIETY.

The Western New York Horticultural Society opened its 56th annual convention on January 25 at Convention Hall with over two thousand in attendance. The features of the opening programme were President William C. Barry's address, the speech of Dr. Liberty H. Bailey, dean of New York State College of Agriculture at Cornell University, on "The Forward Movement in Country Life," and a remarkable extemporaneous talk by Charles D. Barton of Marlton, N. J. who in 1909 raised a \$20,000 peach crop. All interest in the second day's session was centered in a debate on the question of top-working nursery stock, with Associate Editor Kains of the American Agriculturist on one side and George T. Powell of Ghent on the other side.

President Barry's address was punctuated with practical suggestion and hopeful advice. Referring to the fruit industry he said that veritable gold mines were open to those eastern growers who, impressed with the importance of their work lay a foundation for success, first by giving proper attention to underdraining and fertilization, then to varieties, modern and proved methods of spraying and pruning and thinning, coupled with good business judgment in the selling of crops.

SOUTHAMPTON HORTICULTURAL SOCIETY.

The annual meeting of the Southampton, N. Y., Horticultural Society was held on Thursday evening, Jan. 5. Officers were elected as follows: President, U. G. Agar; vice-president, Julius W. King; secretary, Benj. C. Palmer; treasurer, A. W. McIntosh; financial secretary, Frank H. Smith; executive committee, William Fitzpatrick, John Rennex, Martin McLaughlin, William McLeod. The treasurer's report shows a balance on hand of \$65.55, \$500 of which has for some time past been on deposit in the Sag Harbor Savings Bank. Unpaid dues,

the greater portion of which will be paid bring the balance up \$283 more, while as a valuable asset the society owns at a low valuation some \$259.19 worth of property available and useful when they hold their annual exhibit.

The annual exhibit is one of the leading features of this celebrated summer watering place, and the cottage contingent turn out en masse to see the beautiful that is produced in the gardens in our grand old town.

With this annual meeting we close our fourth year, ending the business duties with an oyster supper. The show committee have decided on an annual exhibit to be held the latter part of July next.

BENJ. C. PALMER,
Secretary.

AMERICAN ROSE SOCIETY.

One of the most important positions in a public exhibition is that of manager, and Mr. Eber Holmes of Montrose, Mass., the well-known rosarian, has been appointed to that position for the coming Spring Exhibition at Boston. There will be appointed two sets of judges, because, owing to the week duration of the show, there will be two separate exhibits, Division B being separate from the rest of the Exhibition. Exhibits in all classes except Division B. are to be staged not later than 2 p. m., Saturday, March 25th. The exhibition of these classes will continue Saturday, Sunday and Monday. Division B. will be staged on Friday, March 31st, not later than 1 p. m., and will continue until the end of the exhibition. On Tuesday, Wednesday and Thursday, the space used by the Rose Society will be occupied by the Carnation Society.

Rev. Dr. Spencer S. Sulliger, of Vancouver, Wash., President of the Society known as the Rosarians of the State of Washington, who visited last year's National Exhibition in London, will read a paper at our coming annual meeting. Richard Vincent, Jr., of White Marsh, Md., was at the International Exhibition of Horticulture at Brussels, Belgium, and he also will furnish a paper upon the "Roses of Europe."

BENJAMIN HAMMOND, Sec'y.

MASSACHUSETTS HORTICULTURAL SOCIETY.

At Horticultural Hall, Boston, on Saturday, February 4, E. B. Dane, gard. Donald McKenzie, showed fine healthy plants in bloom of *Cypripedium* *Minos Youngii* (*Arthurianum pulchellum* X *Spicerianum*) and *C. Olivia* (*tonsum* X *niveum*) and a first-class certificate was awarded for each. He also showed blooms of two very fine forms of *Cattleya Trianae*. A fine portrait of *Cypripedium Olivia* was published in HORTICULTURE, Dec. 31, 1910.

Eleven silver medals, seven bronze medals and over \$400 in cash prizes are offered for the midwinter flower show of the Massachusetts Horticultural Society, to be held in Horticultural Hall, Boston, on Friday, Saturday and Sunday, Feb. 24, 25 and 26. Schedules, entry blanks, etc., can be procured from the secretary, W. P. Rich, Horticultural Hall, Boston.

REVIEW OF THE WORK OF THE EXAMINING COMMITTEES CHRYSANTHEMUM SOCIETY OF AMERICA FOR THE SEASON 1910.

Name of Variety	Where Shown	Date	Exhibited by	Color	Type	Scale	Color	Form	Foliage	Stem	Substance	Depth	Size	Total	
Smith's Advance	Cincinnati	Aug. 27	Elmer D. Smith & Co., Adrian, Mich.	White	Jap Reflex	C	18	12	10	15	10	13	8	86	
Inaka	"	Oct. 8		Pink	Inc. Jap	C	18	12	10	15	13	13	9	90	
Chrysolora	Chicago	" 15		Yellow	" "	C	19	13	10	15	13	14	10	90	
"	New York	" 22		"	" "	C	18	14	10	15	13	14	9	93	
"	"	" 15		"	" "	C	18	14	10	14	14	14	9	93	
"	Boston	" 22		"	" "	E	9	12	15	5	5		12	29	
"	"	" 22		"	" "	C	18	14	9	15	12	14	8	90	
"	"	" 22		"	" "	E	9	13	13	5	4		12	28	
"	Philadelp'a	" 24		"	" "	C	18	14	9	13	12	14	9	89	
"	"	" 24		"	" "	E	8	14	14	4	3		14	31	
Jack Witterstaetter	Cincinnati	" 28	Alfred J. Loveless, Lenox, Mass.	Crimson	Jap Reflex	C	18	13	8	14	12	13	8	86	
"	"	" 28		"	" "	E	9	14	13	5	5		12	30	
Roman Gold	"	Nov. 5		Deep Yellow	Inc. Jap	C	20	13	8	13	12	13	9	88	
"	Chicago	" 12		"	" "	E	10	13	13	4	4		13	30	
Paper White	"	Oct. 22		White	Inc.	C	19	14	9	13	10	14	8	87	
Pink Gem	"	Nov. 12		Pink	Inc. Jap	C	17	14	10	14	14	13	7	89	
Ontario	"	" 12		Light Pink	" "	C	16	13	8	14	13	13	9	86	
Atomia	"	" 12		Pink	" "	C	18	13	7	13	13	14	9	87	
oughkeepsie	Morristown	" 2		White	" "	E	7	10	15	3	3		10	25	
"	Chicago	" 12		"	" "	E	8	13	13	3	3		13	32	
Lenox	Morristown	" 2	E. G. Hill Co., Richmond, Ind.	Yellow	Jap	E	9	13	15	3	4		13	30	
arrytown	"	" 2		Pink	" "	E	7	11	12	4	4		11	20	
hanksgiving Queen	Cincinnati	" 19		White	" "	C	16	12	8	15	13	15	10	89	
"	"	" 19		"	" "	E	8	13	13	5	4		12	32	
December Gem	Chicago	" 19		"	" "	C	18	13	8	14	12	14	9	88	
"	Cincinnati	" 3		White Shaded Pink	Inc. Jap	C	17	14	9	14	10	15	10	89	
Inta	"	Oct. 28		Pale Pink	Pompon	C	15	12	10	13	8	14	9	81	
"	New York	" 28		Blush	Jap	E	7	13	14	4	4		13	30	
E. Nash	New York	Oct. 22		Light Pink	"	E	8	15	13	5	5		13	29	
ioneer	Boston	Nov. 5		"	"	C	18	13	9	15	12	13	8	88	
Golden Gem	Chicago	Oct. 29	Thos. Aitchenson, Mamaroneck, N. Y.	Yellow	Inc.	C	18	14	9	14	13	13	8	89	
F. Felton	"	" 29		"	Inc. Jap	C	20	13	9	10	10	15	10	87	
"	"	" 9		"	"	E	10	13	13	4	4		10	33	
Riftwood	New York	Nov. 9		Light Yellow	Jap	E	8	12	14	5	4		12	30	
o. 14-'09	Cincinnati	Oct. 22		Magenta Pink	Jap Reflex	C	13	12	8	12	13	13	6	77	
o. 13-'09	"	" 22		White	Inc. Jap	C	16	10	8	14	12	10	7	77	
o. 3-'09	"	" 22		"	Jap Reflex	C	17	11	7	13	13	8	6	75	
"	Chicago	" 22		"	"	C	18	10	7	12	14	10	7	78	
o. 64-'09	"	" 22		"	Inc. Jap	C	15	10	7	13	12	10	7	74	
ort from Glory of Pacific	Philadelp'a	Oct. 13		"	Jap Reflex	C	17	13	8	14	13	13	8	86	
ooster Maid	Cincinnati	Nov. 5	Mrs. B. Haschke, Dayton, Ohio	"	Inc. Jap	C	18	12	9	13	12	12	8	82	
erald Haschke	"	" 12		Crimson	Jap Reflex	C	18	12	7	12	11	13	7	80	
"	Chicago	" 12		"	"	C	18	13	7	12	13	14	8	85	
Chadwick Supreme	Boston	" 26		Pink Sport W. H. Chadwick	Inc. Jap	C	18	12	7	12	12	12	7	80	
"	New York	" 26		"	"	C	17	10	8	13	13	13	5	79	
"	Philadelp'a	" 26		"	"	C	16	13	8	13	13	14	9	86	
"	Chicago	" 26		"	"	C	18	13	9	14	13	13	7	87	
"	Cincinnati	" 26		"	"	C	15	10	9	14	13	13	8	82	
Scores possible under scale used (C. S. A. official)															
Commercial							20	15	10	15	15	15	10	100	
Exhibition							10	15	15	5	5		15	100	
Pompon							40	20	20	20				100	

CHAS. W. JOHNSON, Secy.

YONKERS HORTICULTURAL SOCIETY.

At the meeting of this society on Friday, Feb. 3rd, the dinner committee reported that all arrangements were made for a good time on Tuesday, Feb. 7th. H. Scott received first prize for some very fine callas, H. I. Dells was second with excellent Californian violets. It was decided to hold a social session every second month, members donating good things for the one to be held in March. A sick committee was appointed to visit all members who are ill, reporting to the society at regular meetings.

H. M. BLANCHE.

CLEVELAND FLORISTS' CLUB.

The Cleveland (O.) Florists' Club will hold a Flower Show at their rooms 2610 Detroit Ave. on the regular meeting night, Monday, Feb. 13, 1911. All florists whether members or not are invited to attend this meeting and bring stock which they wish to exhibit. Vases will be provided for all. The novelties of 1911 in roses and carnations will be there, as the introducers have all promised to exhibit. The refreshment committee has been ordered to get busy. Nuf Ced.

Frank A. Friedley, Sec.

CONNECTICUT HORTICULTURAL SOCIETY.

The following is an outline of this society's events for several months:

February 24th, Carnation Night and Ladies' Night; paper by Secretary Smith on the intrinsic value of the pear. March 10th, Cineraria Night; papers by Mr. Huss and George B. Baker. March 24th, Greenhouse Rose Night; lecture by George A. Parker on the improvement of small homes. April 28th, exhibition of hardy primulas and Alpine plants, with a lecture on the latter subject by Mr. Huss. May 12th, Pansy Night, and exhibition of narcissi; paper by John Gerard on the rules of judging pansies. May 26th, Tulip Night, with flowers from the city park department. June 9th, Hardy Rose Night. June 23rd, collection of early perennials, and a paper by George B. Baker.

DETROIT FLORISTS' CLUB.

The last club meeting was to bring out a paper on the Christmas business by Mr. Ponchelon, but unfortunately he did not prepare anything. Still, he absolved himself very well of his obligation and the only fault to be found with it was that he only remembered the hard work and the heavy extra expenses. He even thought of the twine and wrapping paper bill, but he never said a word about profits. The discussion following his interesting narration was more of an optimistic strain and perhaps more just.

CLUB AND SOCIETY NOTES.

At a special meeting of the Lenox (Mass.) Horticulture Society A. H. Wingett was elected a delegate from the society to the Massachusetts State Board of Agriculture for three years.

The Retail Florists' Association of St. Louis held its monthly meeting on February 6th. President Sanders opened the meeting to a good attendance and much important business was transacted.

The New Orleans Horticultural Society will hold an exhibition early in April, when it is intended to make a public display of Easter stock; and it is expected that a fine exhibit will be made that will interest the public and stimulate Easter trade.

The Arkansas State Horticultural Society, on Jan. 18th, at Little Rock, Ark., elected D. A. Rogers of Gravette president, D. E. Eichker vice-president, Ernest Walker of Fayetteville secretary and H. Vestal of Little Rock treasurer.

The State Horticultural Society closed its annual session with a banquet, Jan. 19th, at Pierre, S. D. The officers elected for the next year are

A. W. Krueger of Afton president, John Robertson of Hot Springs vice-president, H. A. Glidden of Hitchcock treasurer. Brookings was selected for the place of meeting next year.

Officers of the New Bedford (Mass.) Horticultural Society elected January 9, were as follows:

President, Frank C. Barrows; vice-president, John P. Rooney; secretary, Jeremiah M. Taber; Treasurer, Walter A. Luce; executive committee, James H. McVicker, Richard Parkinson, W. D. Hathaway, H. A. Jahn, Edward E. Shaw. The following additional members will be appointed on the committee, by the president, to act in the interest of the annual flower show: John P. Rooney, Edward E. Pierce, Andrew J. Fish.

At the regular meeting of the North Shore Horticultural Society, Feb. 2, Joseph Clarke, formerly gardener to Henry L. Higginson, was presented with a gold mounted cane by the gardeners of Manchester and vicinity as a token of their esteem of him as a friend, fellow-worker in the society, and brother horticulturist. The stick was presented by President Alfred Parsons. The remarks following showed Mr. Clarke to be the grand old man of Manchester horticulture.

Horticulture and the Boston fraternity all enthusiastically endorse the foregoing. Few men enjoy the universal love and respect of the craft as does this "grand old man."—Ed.

Fifteen of the leading nurserymen of Nebraska met January 25 at Lincoln and effected a temporary organization by naming Peter Youngers of Geneva, president, and Clyde Barnard of Table Rock secretary. The association will be known as "The Nebraska State Nurserymen's Association." It was declared that about March 1 the organization would be made a permanent one. The legislative committee of the state horticultural society, composed of Peter Youngers of Geneva, L. C. Chapin of Lincoln, and Clyde Barnard of Table Rock, were named to draft a bill to present to the legislature for the compulsory inspection of nursery stock shipped into Nebraska and shipped out.

The State Florists' Association of Indiana have elected the following officers for 1911: President, George R. Gause, Richmond; vice-president, H. Junge, Cumberland; secretary, A. F. J. Baur, Indianapolis; treasurer, H. S. Wiegand, Indianapolis.

Plans were also adopted whereby the association may improve the floral exhibits given at the State Fair. A committee was appointed to confer with the State Board of Agriculture, and to act as the board may suggest in obtaining better results in the exhibit of cut flowers and floral designs. It is believed by members of the organization that florists from all portions of Indiana will be urged to exhibit plants and flowers at the next fair.

At the last meeting of the Minnesota State Florists' Association, Jan. 26, we had a very interesting discussion on flower show score cards. It was found that for certain displays, such as cut blooms arranged for effect, etc., the scale used did not work satisfactorily and a committee was appointed to submit a new card at the next meeting. Mr. Schaefer, from La Crosse, was present. He commended the

FLORISTS' ICE BOX.



The accompanying illustration shows the new ice box in Sam Murray's modern flower store recently opened in Kansas City, Mo. The workrooms are located behind this structure and there another ice box of

equal capacity has been installed. At the left of the box is a private telephone booth for the use of customers, an excellent idea, copied, says Mr. Murray from a similar arrangement in Will Smyth's store in Chicago.

DURING RECESS.

Chicago Bowlers.

The following scores were recorded at the meeting February 1:

CARNATIONS.			ROSES.		
	1st	2nd 3rd		1st	2nd 3rd
Ayres,	130	171 184	Foster,	144	149 161
Wint'rs'n,	137	197 131	Ryers,	154	114 116
Go'risch,	110	134 185	Cohen,	123	74 117
Schultz,	140	159 136	Krause,	131	109 158
A. Zeck,	166	164 153	Wolf,	161	166 156
ORCHIDS.			VIOLETS.		
	1st	2nd 3rd		1st	2nd 3rd
Ho'n'b'r,	165	164 173	Va'gh'n,	151	131 189
Zeck,	157	145 144	Li'b'm'n,	159	128 170
Graff,	151	149 160	Fri'dm'n,	167	142 140
Begnan,	165	136 134	Laz,	96	124 90
Farley,	176	134 150	Loman,	145	166 141

On Sunday last the Joliet team came to Chicago according to agreement and an enthusiastic game was played. It was a close one and for the first half Chicago was in the lead. Then the tables turned and Joliet came off victorious. There were many rooters and the alleys were so well filled that standing room was at a premium. The Joliet victors left for home at six o'clock after expressing their pleasure at their reception and requesting another opportunity to meet the Chicago bowlers.

Cincinnati Bowlers.

The following were the scores bowled Monday, February 6:

C. Critchell,	134	187	L. Wit's't'r,	142	144
A. S'derbr'h,	159	159	L. Fritz,	106	128
R. Murphy,	205	165	Ben George,	115	132
A. Heckman,	115	122	W. Schum'n,	225	129
O. H'fm's't'r,	75	108	T. Jackson,	112	131
A. Os'tdarp,	102	110	E. Wit's't'r,	150	141
E. Schuman,	137	119	C. Wit's't'r,	132	163
R. Wit's't'r,	177	185	Frank Ball,	106	92
C. H'fm's't'r,	126	92	H. S'nd'r'h's,	143	102
R. A. M'phy,	139	130	D. Rusconi,	69	102
A. Horning,	151	168			

The seventh annual banquet of the Monmouth County Horticultural Society was held at Red Bank, N. J. on Wednesday evening, January 25. The attendance was large. A. Herrington, of Madison officiated as toastmaster. The speakers included public men of prominence as well as gardeners and florists.

Professor H. M. Whetzell, of the New York State College of Agriculture, Ithaca, N. Y., was the lecturer in the free course of the Massachusetts Horticultural Society at Horticultural Hall, Saturday, January 21. The changing of the lecture hour from forenoon to afternoon has proved a successful innovation, leading to a larger attendance. Professor Whetzell's topic was "The Local Plant Doctor."

He said that the primary object of the plant pathologist is to prevent diseases, not cure them. The plant doctor should be a public servant supported in part, at least, by the local growers. In short, the growers must meet the State at least half way in the training and support of experts for the solution of this plant disease problem. The grower will never learn the technique of plant pathology any more than he will that of veterinary medicine, and he will soon learn that it is not only necessary but highly profitable to pay for the services of expert plant doctors. There will be a constantly increasing demand for the professional plant pathologists in the conservation of our crop production.

The lecture was exceedingly interesting throughout.

CARNATION WHITE HOUSE

The QUALITY White

Easily the largest white in cultivation, and considering its size, it is wonderfully free. Is absolutely a non-burster and has a clean, kind growth, without any faults. The production of this variety is limited to 50,000 cuttings; so, if you want it, give us your order at once.

PRINCESS CHARMING, splendid Enchantress-colored carnation; WASHINGTON, the Lawson-colored sport of Enchantress; CHRISTMAS CHEER and BONFIRE, scarlets; all above varieties, \$12.00 per 100, \$100.00 per 1000.

WHITE PERFECTION, WHITE ENCHANTRESS, WINSOR, VICTORY, WINONA, ENCHANTRESS, QUEEN LOUISE and IMPERIAL, \$3.00 per 100, \$25.00 per 1000.

LADY HILLINGDON

A BEAUTIFUL YELLOW ROSE

That will make a name for itself either as an indoor or outdoor rose.

March Delivery
Own Root or Grafted Stock
\$7.50 per dozen
\$60.00 per 100

ROSE QUEEN, the pink you will eventually grow, \$35.00 per 100.
DOUBLE PINK KILLARNEY and MELODY, \$35.00 per 100.
RADIANCE and MRS. AARON WARD, \$15.00 per 100.

CHRYSANTHEMUMS

We carry over 500 varieties, and have already some 100,000 young plants in 2 ½-inch pots ready for immediate distribution.

DID YOU GET OUR CATALOGUE? IF NOT, WRITE FOR IT

CHAS. H. TOTTY, Madison, N. J.

HARDY RHODODENDRONS

When we say **Hardy** we mean Hardy in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties** which have stood the test of years in American Gardens for hardiness and vigor.

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

SUMMER FLOWERING BULBS.

I. S. Hendrickson of Floral Park, N. Y., president of the American Gladiolus Society, was the lecturer before the Massachusetts Horticultural Society on Saturday, Feb. 4. Considering that the day was one of the most unpropitious of the season the audience was a very creditable one in numbers and interest. Mr. Hendrickson naturally had most to say about gladioli, lilies having been well covered in the special lecture on this topic last season by E. S. Miller. He took occasion, however, to say a few words of high commendation for *Liliums Hansonii* and *Henryi*. Of the latter, he said:

"Perhaps the hardy garden lily with the greatest future is *Henryi*, the 'Yellow Speciosum.' This lily has been brought to us from the mountains of China, and it is indeed a gem, as it will thrive without any special care, producing strong panicles of yellow flowers, resembling very strongly the much-admired *speciosum* form."

He gave much valuable information concerning the forms and culture of gladioli, of which he remarked that probably no other class of plants had been blessed with so many descendants, he having in his possession an indexed book containing names and descriptions of nearly 3000 varieties, most of them from foreign catalogues. Among the other desirable summer flowering bulbs mentioned were *Amaryllis formosissima*, arums, *Besera elegans*, *Cyclobothera flava*, *Milla biflora*, *Cooperia pedunculata*, *Eucomis punctata*, *montbretias*, *zephyranthes* and *richardias*. Of the *richardias* he spoke as follows:

"Several new and valuable varieties have been produced, and introduced during the past few years, among them I will mention the following: *Aurata*, called the lemon calla, has a light lemon yellow flower with a chocolate patch in the throat, which brings out a conspicuous contrast of color; the foliage is spotted white. Mrs. Roosevelt is a late introduction and sometimes comes very fine; the flowers are white, tinged with lemon, not very free flowering. *Rehmanni*, largely advertised as the pink calla sensation, is a dainty little flower much smaller than most of the other callas, and I am inclined to think it is useful as a novelty only.

"*Pentlandi* certainly produces a very beautiful flower of a rich golden yellow, but the bulb appears to be weak and not very prolific, so it appears that if a yellow calla is wanted (and I believe it is) we have everything that can be desired in the variety *Elliotiana* 'the peer of them all,' not a new one by any means, but one that is not known as it should be. I have seen quantities of this calla on a commercial place grown and treated just about the same as one would treat potatoes, and the sight when in flower is indescribable; you can get some idea of it when I tell you the flower is nearly, if not quite, as

large as the ordinary white calla of the greenhouse, and the color a beautiful deep golden yellow, not simply tinted yellow or lemon, but actually golden yellow, and every bulb will produce a bloom; its time



ISAAC S. HENDRICKSON

of flowering is July. It must be taken up in the fall, and cared for about the same as a gladiolus bulb.

An interesting general discussion followed Mr. Hendrickson's lecture.

F. C. Cadett, formerly with Gude Bros., Washington, is now in charge of the greenhouses of Dr. W. W. Evans, Hamilton, Va.

PERSONAL.

B. Eschner, of M. Rice & Co., Philadelphia, was in St. Louis last week and reports a nice business there.

E. R. Buschee, who was formerly manager of the Norwood Floral Co. is now with Tromey's Flower Shop, Cincinnati.

John Aggen, Jr., Fulton, Ill., has gone to Portland, Ore., where he has accepted a position as florist with Martin & Forbes.

We are sorry to learn that John G. Esler of Saddle River, N. J., secretary of the Florists' Hail Association, was struck and quite severely injured by a trolley car when on his way home from the dinner of the N. Y. & N. J. Plant Growers' Association at New York last week, Thursday. He is at the hospital and reported as "doing nicely."

A pleasant letter from John Westcott tells us that he is enjoying the balmy breezes of Bermuda and enjoying the beauties of the tropical plants which thrive there as well as many other things such as heliotrope, geraniums, verbenas, etc., which are only to be seen in summer time, around Philadelphia. Sixty-five degrees at noon with a drop of 10 to 15 degrees at night is the prevailing temperature in Bermuda during the winter season. We hope Mr. Westcott will gain needed health and nerve force from his vacation trip.

Boston visitor—James Meiklejohn, representing H. Frank Darrow, New York.

Visitors in Cincinnati—J. D. Christianson, representing Hummel & Downey, Milwaukee, Wis.

BOSTON'S MOST POPULAR HOTEL



Reserve your accommodations for the National Flower Show NOW.

THE BRUNSWICK
Boylston St. and Copley Sq.

European and American Plan

HERBERT H. BARNES, Prop.

CHICAGO NOTES.

Trade Jottings.

A new retail flower store has been opened at 1357 Milwaukee Ave., with Wm. Macks, proprietor.

It is understood that Henry Van Gilder has sublet one-third of the floor he recently rented, the old stand of the Flower Growers' Market, N. E. corner Randolph and Wabash.

E. F. Winterson Co.'s catalogue is now in the hands of the printer. J. Degnan says there is a strong demand for American gladiolus for forcing but that the bulbs are scarce.

J. Mangel is having the windows of his store at the corner of Monroe and Wabash streets enclosed. This store though half below the sidewalk has the finest display windows, level with the walk and with white marble floor three feet wide. A second window will now make an inside partition and in these windows flowers and blooming plants will keep in perfect condition.

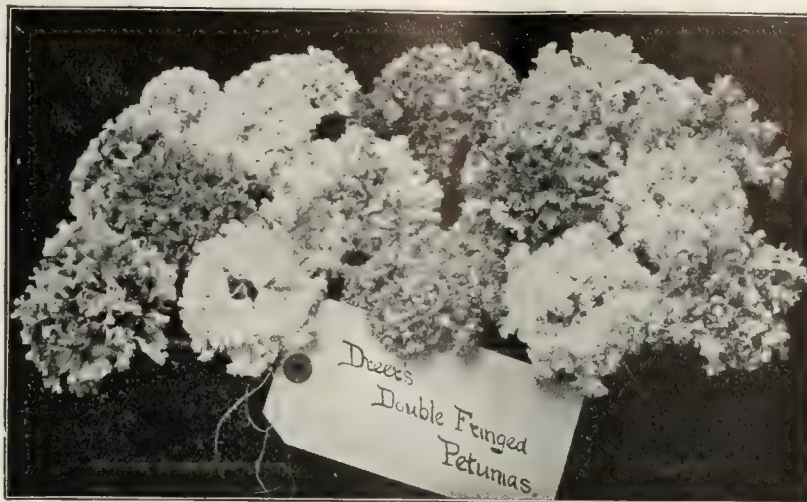
A number of meetings have been held by the wholesalers and many localities considered, but at this writing no decision has been reached. Many still cling to the old center, corner of Randolph and Wabash, and think if all held together as good terms might be obtained in that vicinity as farther west. Some very good inducements, however, are offered and no doubt a decision will be reached in a few days.

Improvements are under way at Harry Rowe's retail store 42 E. Monroe, which when completed will transform the place into quite possibly the finest flower store in the down town district. The Palmer House reading room with handsome glass roof has been thrown into the store and gives a floor space of about 30 x 80 feet, very large for the location, just off State street. The counters will all be replaced with diamond-shaped marble tables and the office will be placed in a less prominent place. The ice box will also be moved and a clear view from the front of the store to the fountain in the rear room be afforded. The front window has been lowered to the level of the walk and new handsome lights have been installed. The new room will also answer the practical purpose of showing customers how a mantle, wedding or other decoration will look and its fireplace and deep windows will lend themselves admirably to decorative schemes.

Personal.

A report of those suffering with severe colds would include most of the trade this week. Nearly all are able to keep to their posts, but N. Wietor is confined to the house. Sam Pearce is still suffering with rheumatism and unable to attend to business. H. C. Blewitt also is missed from his usual place in the market.

Visitors: I. M. Hoffman, La Porte, Ind.; F. H. Berndt and P. Benkt, both with Holton & Hunkel, Milwaukee, Wis.; C. W. Scott, of Yokohama Nursery Co.; W. F. Kasting, Buffalo, N. Y.; Nic Zweifel, Milwaukee, Wis.; Harry Philpott, Manitoba; Chas. Schwake, with C. F. Meyer, N. Y.; J. E. Meredith, Libertyville, Ill.; J. F. Burk, St. Louis, Mo.; Paul Berkowitz, of H. Bayersdorfer & Co., Phila.; B. Eschner, of M. Rice & Co., Phila.; C. B. Knickman, of McHutchison & Co., New York; A. B. Coe, of D. M. Ferry, Detroit.



Dreer's Double Petunias

Our **DOUBLE PETUNIAS** for more than half a century have been the acknowledged standard. The strain this season is equal in high quality to its predecessors and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in. pots, which will quickly furnish an abundance of cuttings.

Strong 3-in. pots, 75 cts. per doz., \$6.00 per 100. The set of 15 for \$1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

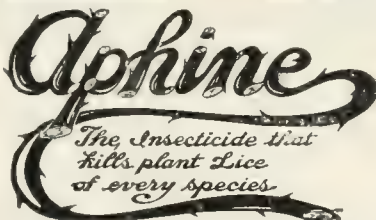
DOUBLE, 75 cts. per 500 seeds, \$1.50 per 1000 seeds.

SINGLE, 50 cts. per trade pkt., \$1.00 per 1-16 oz., \$1.50 per 1-8 oz.

These prices are for the trade only.

OUR CURRENT QUARTERLY WHOLESALE PRICE LIST offers a full line of seasonable Plants, Seeds, Bulbs, etc.

HENRY A. DREER, Philadelphia, Pa.



You may depend on it for positive results, without fear of failure or dissatisfaction.

\$2.50 PER GALLON; \$1.00 PER QT.

"FUNGINE"

An infallible remedy for mildew and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 PER GALLON; 75c. PER QT.

For sale by seedsmen.

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

NEWS NOTES.

Port Arthur, Tex.—The Port Arthur Nursery Co. have filed a certificate of dissolution.

Rockton, Ill.—P. E. Ward has withdrawn from his partnership with R. Gammon, and Mr. Gammon has entered into partnership with Otto Moore.

If you are interested in **ORNAMENTAL TREES, SHRUBS, VINES and HARDY FLOWERS**, send for my catalog. It offers a select list of plants of excellent quality at moderate prices.

DANIEL A. CLARKE

Red Oak Nurseries

Fiskeville, R. I.

Box Trees

and other **EVERGREENS** for **Tubs and Boxes**
Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DAHLIA ROOTS

Whole Field Clumps—At \$5.00 per 100 and up. 10 to 100 in 10 distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$30.00 cash.

CANNA ROOTS

Strong Division,—At \$2.00 per 100, \$12.00 per 1000 and up. Send for List.

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

IMPORTED DENDROBIUMS

We are now receiving our usual importations of Dendrobiums, and can offer the following in excellent value. Many of these plants with early cultivation and careful storing can be had in flower at periods extending from Xmas on the one hand to the end of May on the other.

Dendrobium Wardianum Lowianum—The true large-flowering type.

Crassinode—Specially fine plants of this lovely and distinct variety. Very useful for basket work.

Nobile—From district where specially fine forms have been received.

Dalhousianum—This noble species has seldom been imported in such condition.

Jamesianum—Pearly white large-flowering variety, lasting long in flower.

Chrysotoxum, Fimbriatum, Clavatum—Three of the most lovely free flowering yellow varieties.

Devonianum—Very free and beautiful fringed-lip variety, delicately scented.

Catalogue and prices on application

Stuart Low & Co. Royal Nurseries
Bush Hill Park nr. **London, England**
Telegraphic Address "Orchids, Enfield." Telephone Numbers, 1 and 2, Enfield

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardest varieties assorted: Pteris Mayii, Wimaetti, Adiantoides, Aspidium Tsussimense, Crytomium falcatum, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$8.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CINERARIA HYBRIDA

Remember this is the
BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper
of Pot Plants,

1012 West Ontario St., Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Roslindale, — Boston, Mass.
Price list on application.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Ruffia, etc., etc.
Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

FERNS FOR DISHES

Assorted varieties.

2 in. pots, \$3.50 100; \$30.00 1000.

Cash with order.

FRANK OECHSLIN

1011 Quincy St. — CHICAGO, ILL.

BOSTON FERNS, 2½ inch \$30.00 per 1000.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 100; 25c at 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

BEST PALMS

All Varieties, All Sizes.

Send for Price List

Joseph Heacock

Wyncote, Pa.

TRITOMA PFITZERI

RED HOT POKER

The best poker for cut flowers.

	Per 100	Per 1000
Divisions, single crowns...	\$1.00	\$30.00
Double and Triple.....	6.00	50.00
Clumps	8.00	70.00

THOMAS J. OBERLIN, Sinking Spring, Pa.

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US!

CARRILLO & BALDWIN,
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ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

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ORCHIDS

Largest Importers, Exporters, Growers
and Hybridists in the World

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and 258 Broadway, Room 721
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ROEHRS

ORCHIDS, AZALEAS, PALMS,
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ORCHIDS

Greatest quantity and variety in the country.
Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, **SUMMIT**
N. J.

**MAKE YOUR GARDENS JUST LOVELY
THIS SUMMER BY SOWING**

SUTTON'S delightful ANNUALS

per pkt.
Chrysanthemum, Morning Star. 12c.
Candytuft, Improved White
Spiral 24c.
Clarkia, Firefly 24c.
Dimorphotheca aurantiaca 24c.
Eschscholtzia, Ruby King 24c.
Godetia, Double Rose 24c.

per pkt.
Larkspur, Stock-flowered Rosy
Scarlet 24c.
Lavatera Rosea Splendens 24c.
Mignonette, Giant 24c.
Nasturtium, Salmon Pink 24c.
Nigella, Miss Jekyll 24c.
Poppy, Selected Shirley, mixed. 24c.

**Collection of the 12 packets named above for
\$2.50**

Complete price lists forwarded on application.

SUTTON & SONS THE KING'S SEEDSMEN READING, ENGLAND

A BLUE ROSE

**The Greatest
Rose Novelty
of the Century**

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

OREGON GROWN ASTER SEED

Yamhill Co., Oregon, is the natural home of the Aster and any one desiring seed OF HIGH-GRADE COMMERCIAL QUALITY

will do well to try our seed for 1911. Ask for our new descriptive booklet.

OREGON ASTER SEED, pink, shell pink, white or

purple Tr. Pkt., 25c; 4 Pkts., 75c; Oz., \$4.00

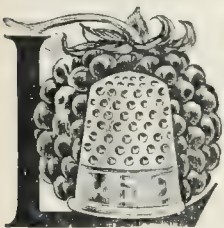
VICK'S ROCHESTER, lavender pink Tr. Pkt., 25c; 4 Pkts., 75c; Oz., 4.00

LADY ROOSEVELT, bright pink Tr. Pkt., 20c; 4 Pkts., 60c; Oz., 3.00

Special prices to seedsmen. Contracts taken for 1911.

HERBERT & FLEISHAUER, Aster Specialist, McMinnville, Oregon

ST. REGIS EVERBEARING RASPBERRY



Best - the first season!
The most productive raspberry—planted in April, bears continuously from June to October—first season. The first crop and the last. Berries large, of bright red color and excellent quality—ship 200 miles in first class order. Absolutely hardy and reliable—our new catalog tells how to choose and grow small fruits that produce profits.
J. T. LOVETT,
Box 153 Little Silver, N. J.

In ordering goods please add "I saw it in HORTICULTURE."

New Strawberry "Heritage"

New Strawberry "Heritage" enormous cropper; heavy rooter; withstands drouth, \$4.00 per 1000.

W. H. L. OPENSHAW, Atco, N. J.

NEWS NOTES.

Maspeth, N. Y.—Herman Maenner, florist, Collins and Mt. Olivet avenues, expects to retire from business about July 1st.

Red Hook, N. Y.—The partnership between Pells & Van Steinburgh has been dissolved. Walter Van Steinburgh is now conducting the business.

Goldbar, Wash.—J. L. Kreider has purchased land in Everett and will move his establishment there. He intends to grow cut flowers, plants and vegetables and carry a full line of nursery stock, making a specialty of roses, shrubs and ornamentals.

Fitchburg, Mass.—Nine acres of land are to be secured for the establishment of a playground and agricultural quarters for the State Normal School, the city co-operating with the state. The Mayor has authorized a draft for Fitchburg to pay for the grading, erection of hot houses, etc., the price not to exceed \$5,000.

Some men do business on the principle that the world owes them a living. That's a mistake. The world owes you nothing. If you have health you are lucky and that's all you deserve without working for it. Some growers work on about the same principle in handling lily bulbs. They buy good bulbs, stick them in the dirt and expect good results. You have to take care of good lily bulbs just as you do everything for the best results. Give them as good attention as you would a pet horse anyway. Don't drown them with water when they don't need it, and don't blame bulbs for rotting when poor soil and drainage is the cause. Take care of your bulbs, keep them free from greenfly, feed them manure water, and give them careful attention; that's the way to produce the best average.

There are no better lily bulbs imported than Horse-shoe Brand—from the finest fields of Japan.

Write for prices.



Ralph M. Ward & Co.

**12 West Broadway
NEW YORK CITY**

Not How Cheap
But How Good

Cold Storage Giganteum on hand ready for delivery at any time during 1911.

Obituary.

George Hobday.

It is with sincere regret that we learn of the death of this distinguished horticulturist, who passed away at his residence, Havering Road, Romford, Essex, on Jan. 18th. Although a business man, Mr. Hobday made gardening his one hobby, and so faithfully did he pursue it that his name became well known as a successful exhibitor and a competent judge. He grew flowers and fruits of all kinds well but vegetables were his chief concern and he was responsible for many sterling introductions, especially rhubarb Hobday's Giant and Essex Wonder and the Clipper peas. Mr. Hobday was keenly interested in all that appertained to the advancement of horticulture and was closely connected with the leading societies, being a member for several years of the Royal Horticultural Society's vegetable committee and was also a prominent member of the National Vegetable Society. Horticulture can ill afford to lose such men as George Hobday. He was a straightforward, upright, honest man, a true friend and a perfect gentleman, and all who knew him will deplore his loss.

Gus Van Velsen.

Many of our readers will be interested and no doubt sorry to read that Gus Van Velsen died at the Nyack, N. Y. hospital Friday night after an illness of six weeks contracted from exposure developing inflammatory rheumatism.

He was a native of Holland, son of the well known bulb grower of Haarlem, Peter Van Velsen. He came to this country in the early nineties and was employed by Pitcher & Manda, Bobbink & Atkins and other firms near New York. He located in the vicinity of Nyack several years ago and was employed lately by the Palisades Nurseries at Sparkill, up to within a few weeks of his taking sick.

Henry Mundt.

Henry Mundt, florist, Forest Park, Ill., died Jan. 25th, at his home, age 52 years.

FRUIT GROWERS TO ORGANIZE A SELLING AGENCY.

Fruit growers of the Pacific Northwest met in Portland, January 24 and 25 to take the first steps to organize a central selling agency that will handle the product of northwest orchards. It is expected this organization will handle practically the entire boxed apple output of the country, Western Colorado being the only other section marketing its fruits in this form of package.

The convention did not result in an organization being formed, although it was well attended by fruit growers from the northwest states, but considerable progress was made and another meeting will be held at Walla Walla, Wash., February 28, when it is expected the final steps in the organization will be accomplished.

VACANCIES IN BUREAU OF PLANT INDUSTRY.

The Civil Service Commission announces an examination for laboratory aid (male) to fill vacancies in the Bureau of Plant Industry, Department of Agriculture, Washington, D. C., to be held on February 23. Applicants must be over seventeen and under twenty-five years of age. The examination will consist of spelling, arithmetic, penmanship, report writing, copying and correcting manuscript, copying mechanical drawing, tabulating, and elementary chemistry.

The duties of the position will include the cleaning and care of laboratory apparatus and glassware, the preparation of culture media, the media, the mounting and classifying of photographic prints, and the preparation of tables and charts.

Competitors must supply themselves with drawing boards not less than 15 inches square, and such drawing materials, except paper and tracing linen, as they deem necessary. Applicants should apply at once to the Civil Service Commission, Washington, D. C., or to the local secretary of the board of examiners for application Form 304. Further information can be had from

NURSERY COMPANY GETS JUDGMENT.

The Van Holderbecke Nursery Company has been given judgment for \$252 the full amount sued for, against E. W. Conrad, by a jury in Judge W. A. Huneke's court. The bill, a balance which the defendant refused the nursery company claimed, was to pay on a shipment of 2100 trees to the defendant's orchard in Okanogan county.

The defendant claimed that some of the trees, on account of not being in good condition, died, and he put in a cross bill of \$626 for one year's use of the ground and the expense of removing the dead trees. He failed, however, to convince the jury of the merit of his counter claim.—*Spokane Chronicle*.

NEWS NOTES.

Beverly, Mass.—Ralph W. Ward succeeds George E. Ward & Son in conducting the Beverly Cove Greenhouses.

Nevada, Mo.—The Weltmar Greenhouses have been purchased by F. R. Rowe and they will be conducted under the name of the Volcano Greenhouses.

Delphi, Ind.—The greenhouses of Ben Hendrickson were damaged by a boiler explosion recently; three men were more or less injured and the property loss will be about \$400.

Ventura, Cal.—Ten forest rangers of the Santa Barbara reserve are engaged in planting pine seed in the San Guilmas district, Ventura county. These are the native yellow pine and there are 500 pounds of the seed to be planted.

Heretofore reforestation experiments have been made along nursery lines. That is, the seed were planted in nurseries, and when the young trees were well started they were transplanted to the reserve. The new plan is to plant the seed where the trees are wanted, thereby saving much labor, and, it is hoped, securing better results.

CATALOGUES RECEIVED.

Fraser Nursery Co., Huntsville, Ala.—Surplus List for Nurserymen and Dealers only.

W. E. Marshall & Co., New York.—Marshall's Seeds, 1911. Covers in white and soft green, attractively simple. Contents comprehensive and creditable.

H. F. Michell Co., Phila., Pa.—Wholesale Price-List for Florists and Market Gardeners. Colored plate of new tomato "Michell's Crackerjack" is inclosed with this very comprehensive trade catalogue a copy of which can be had on application by any one in the trade but nobody else.

Stumpp & Walter Co., New York.—General Catalogue, Spring 1911. This book is a very fine production throughout. The covers are handsome, one displaying a rich group of Spencer sweet peas and the other a cluster of blooms of Hardy Mallow Marvels. Practically everything timely in seeds, bulbs, plants and tools is included in the list.

Wm. Elliott & Sons, New York, N. Y.—Seeds, 1911. For "Lo, these many years" this house has been selling seeds and everything else that contributes to make a lovable garden, and no more pleasant duty comes to us than to acknowledge receipt of their annual catalogue of good things for spring planting. This year the spring catalogue is sparkling in cover beauty. It is all right, exterior and interior, and will sell the goods.

Peter Henderson & Co., New York.—Everything for the Garden, 1911. This widely-known annual visitor is one of the best of the year's publications. It has the Henderson individuality and business enterprise in its make-up and is unique in many features that cannot fail to make the book a business-puller with the American public. Garden scenes in natural colors framed in silver and cream on a white background form the cover adornment and there are several richly colored plates of sweet peas, stocks, roses, etc.

E. G. Hill Co., Richmond, Ind.—The 1911 Catalogue of this well-known leader in American floriculture is all that one could wish. "Rose Queen" rose occupies the place of honor on the title page and we think it is worthy of the position. Inside we find a list of "The Best Things of the Year," and lots of other news and good instruction worth giving close attention to. If you want to know what's going on in new roses, carnations, chrysanthemums, heliotropes, geraniums and alternantheras send at once to E. G. Hill Co. for a copy of this book.

J. M. Thorburn & Co., 33 Barclay street, New York—Thorburn's High Class Seeds, 1911. As we noted a year ago J. M. Thorburn & Co. date back to 1802. Their annual publications never take a retrogressive course—each seems a "vade mecum," up-to-date, which outclasses its predecessor. Two catalogues have reached us—the general catalogue, 144 pages densely filled with horticultural lore, and the "Trade List," compressing between its brown covers a treasury of good information as to how and where to buy garden, field, tree and flower seeds.

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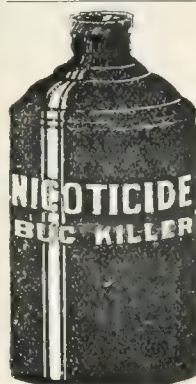
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Seed Trade

A Danger Signal.

Referring to the remarks in last week's issue of HORTICULTURE, in regard to Dreer's 1911 Catalogue, a book that might appropriately be termed "An encyclopedia of what's what in American horticulture," we deem it well to add emphasis to one important point, namely, the cultural notes therein, by the best American authorities. No other American catalogue has this important feature so well carried out, and as for the European catalogues which give directions for European conditions, these, as was pointed out to us recently by a leading horticulturist, are not only inapplicable to American conditions, but often positively dangerous and likely to end in disaster for any one following them. This point should be given prominence by all horticultural journals, whose very reason for existence is to educate and improve along such correct lines as have been found by experience to be best for the varying climatic conditions of this great continent. Each of these journals should have a danger signal flying high and constantly warning against the implicit following of instructions emanating from sources where different climatic conditions prevail. One of our most valued correspondents urges the great importance of the foregoing facts. He states that he served an apprenticeship of nine years in the old country and thought he knew something of the business, but found when he came to America 27 years ago that he had to start in and learn all over again. "What's what" in Europe isn't "what's what" in America, and vice versa is equally true.

Ohio's "Pure Seed" Bill.

"If the Huber seed bill passes the Ohio legislature, it will put the field seed merchant out of business. Kill the Toledo clover seed market, which is now the largest in the world," said John Smith, of the S. W. Flower Co. "The main objection is in what the bill terms noxious seeds. This includes quack grass, Canadian thistle, clover and alfalfa dodder, field dodder, oxeye daisy, buckhorn and plantain. The bill specifies that only one noxious seed berry can be allowed out of every 2,000. The peculiar thing about the bill is that it permits growers to sell seed without restriction as to quality."—*Toledo Blade*.

Notes.

Delaware, Ohio.—Miss Jennie C. Cox expects to move her seed store from North Sandusky street to West Winter street.

Ossining, N. Y.—A store in the Wolf Building has been taken by E. T. Haines & Co., florists and seedsmen of Bedford Mills.

Chickasha, Okla.—A seed store has been opened by Edward Bitchie at 111 North 4th street. Mr. Bitchie was formerly with the Farrington Seed Co.

Withee, Wis.—Sixteen hundred acres of land near here have been purchased by the Ferguson Seed Co. of Minneapolis upon which they intend to establish a seed farm.

Garden Grove, Cal.—J. J. Swartzbaugh has just finished the shipment of three tons of cucumber seed, of several different varieties. They were bought by the Musser Seed Company

of Los Angeles for eighteen cents per pound.—*Los Angeles Times*.

The seventh annual convention of the Canadian Seed Growers' Association will be held at the Canadian Building, Ottawa, Ont., on Thursday and Friday, February 16th and 17th.

All the St. Louis seed houses have issued handsome spring catalogues. St. Louis Seed Co., Schuler Corneli Seed Co., C. Young & Sons, and Schester Grain Co. all say they expect a big spring business this year.

PHILADELPHIA NOTES.

We had a brief visit on January 30 from Ex-Mayor Philip Breitmeyer of Detroit, who passed through our city en route for the West Indies.

Owen Parry, the popular salesman at the Phila. Cut Flower Co.'s had to go to the Hahneman Hospital on the 1st inst. with a broken wrist—compound fracture. The accident happened from a slip on a calla stem on the store floor. Progressing favorably—the other wing and the good head—for a deal as efficient as ever.

Dr. L. H. Bailey will give a lecture on "The Country Life Situation," at the University of Pennsylvania, on Friday, March 3rd. All members of the P. H. S. and Florists' Club are given a cordial invitation by the Pennsylvania Chapter of the Society of Sigma Xi. Further particulars can be had by addressing T. J. Schwatt, president of the Chapter.

Charles B. Herr of Strasburg leads the procession with exhibition quality carnations. On being asked what peculiar methods he used, what soil, what management, or what other means in getting such results, Mr. Herr modestly replied that he had done nothing out of the ordinary but had treated his soil as always recommended by HORTICULTURE and other reliable authorities—giving the plants the best possible care, and being exceedingly vigilant in regard to temperature, etc. Anyone wishing to see for himself is welcome to pay Mr. Herr a visit, and see and hear all about it. "Seeing is believing."

Visitors: this week Mr. Radcliffe of Radcliffe & Tanner, Richmond, Va.; Mrs. John Barrows, Toledo, O.; W. G. Foster, Palm Beach, Fla.; Philip Breitmeyer, Detroit, Mich.; M. C. Ebel,

Aphine Mfg. Co., Madison, N. J.; O. V. Zanger, Hoboken, N. J.; J. A. Peterson, Cincinnati, O.; O. A. C. Oehmler, secretary Washington Florists' Club, Washington, D. C.; Henry Eichholz, Waynesboro, Pa.

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982,575. Transplanter. John B. Carpenter, Colquitt, Ga., assignor of one-half to William J. Bush, Colquitt, Ga.

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Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Boufire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

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Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.;	Ounce, \$5.00
Finest Mixed	" " 60c.;	" 4.00
Crimson	" " 60c.;	" 4.00
Canary Yellow	" " 60c.;	" 4.00
Dark Blue	" " 60c.;	" 4.00
Deep Blood Red	" " 60c.;	" 4.00
Apple Blossom	" " 60c.;	" 4.00
Rose	" " 60c.;	" 4.00
Light Blue	" " 60c.;	" 4.00
Scarlet	" " 60c.;	" 4.00

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Send to-day for sample 100 lb. bag, \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

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WHITE BEAUTY.

Strong 2½-in. pots
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Of Interest to Retail Florists

THE GOULD-DECIES WEDDING.

Alexander McConnell had the decorations for this notable affair. In the church they were principally of growing flowering shrubs, Liliun longiflorum, Liliun lancifolium roseum and the ancient calla. Also festoons of Asparagus plumosus and stately palms in large quantities. As there was no specified price on decorations—same were as elaborate as money could make them, consistent with good taste. The house was decorated in the same manner—with the exception of the lilies—entirely of spring flowers and growing shrubs, palms, etc.

The bridal party received their guests on a raised platform or dais. The background was a beautiful piece of tapestry, valued, we are told at \$100,000. This platform was flanked on each side by an immense Dicksonia antartica. Interspersed in the foliage were Coelogyne cristata, Phalaenopsis

STEAMER DEPARTURES	
American.	
St. Paul, N. Y.-S'hampton...	Feb. 11
Adriatic, N. Y.-S'hampton...	Feb. 18
Anchor.	
Furnessia, N. Y.-Glasgow...	Feb. 11
California, N. Y.-Glasgow...	Feb. 18
Atlantic Transport.	
Minnewaska, N. Y.-London...	Feb. 11
Minneapolis, N. Y.-London...	Feb. 18
Cunard.	
Campania, N. Y.-Liverpool...	Feb. 15
Ivernia, Boston-Liverpool...	Feb. 21
French.	
La Provence, N. Y.-Havre...	Feb. 16
Hamburg American.	
Cincinnati, N. Y.-Med't'n...	Feb. 14
Pennsylvania, N. Y.-H'm'g...	Feb. 14
Pres. Lincoln, N. Y.-H'm'g...	Feb. 18
Holland-American.	
Potsdam, N. Y.-Rotterdam...	Feb. 21
North German Lloyd.	
K. Wilhelm, N. Y.-Br'm'n...	Feb. 14
Berlin, N. Y.-Mediterranean...	Feb. 18
Bremen, N. Y.-Bremen...	Feb. 21
Red Star.	
Finland, N. Y.-Antwerp...	Feb. 15
White Star.	
Laurentic, N. Y.-Liverpool...	Feb. 11
St. Paul, N. Y.-S'hampton...	Feb. 11
Adriatic, N. Y.-S'hampton...	Feb. 18

amabilis, Dendrobium Jamesianum, Odontoglossum crispum and white cattleyas; also growing Prunus triloba six and seven feet high. The effect was dignified and unique, as is always true of the work of this past-master in the art of floral decoration.

NEW FLOWER STORES.

La Porte, Ind.—I. M. Hoffman.
Pittsburgh, Pa.—J. Demas, Liberty avenue.

Mansfield, Ohio.—Berno Floral Co., So. Park street.

Berkeley, Calif.—Miss M. Anderson, Shattuck Building.

Philadelphia, Pa.—Angelo Colletto, 1537 Ridge avenue.

Buffalo, N. Y.—Miss Gertrude Sauer, Main and Utica streets.

Detroit, Mich.—Harry G. Smith, North Woodward avenue.

Fond Du Lac, Wis.—Fourth Street Greenhouse Co., Curio store.

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Bridal Baskets, Bridal Bouquet Holders, Debutante Bouquet Holders and Paper Bouquet Holders.

Chiffons, all colors and sizes. Waterproof and other exclusive styles. **Wax and Artificial Flowers. Waterproof Paper Pot Covers,** for all size pots, cheap and desirable, in any color. Our No. 3000 Crepe Pot Covers, to fit 3 to 5-inch pot, in all colors, \$1.00 per 100. **Waterproof Crepe Paper in Roll.**

Tin Foil, plain and colored; also a heavy Tin Foil for lining baskets. **Barks,** in all kinds, Birch, Cork and Cedar. **Natural Prepared Ferns,** the greatest variety in the United States. **Sphagnum Moss.**

Artificial Leaves, all styles, white and green. **Metallic Designs,** we are the manufacturers of these goods and can make any design you want. **Magnolia Leaves,** green and brown. **Beech Branches,** prepared, in all colors. **Immortelles,** in all colors.

Wheat Sheaves, our unexcelled brand in flat, standing or open. **Flexible Cycas Leaves.** Don't forget our **Imperial Chinaware,** and **Green Tone Pottery,** in all shapes. When you want real novelties, consult us.

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Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

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Menti a Horticulture when you write

"THE HOME OF FLOWERS"

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Send flower orders for delivery in Boston and all New England postage

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Your orders for flower or plant delivery in Eastern New England to

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WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

Lowell, Mass.—Stock in the greenhouses of Otto H. Bourdy was frozen recently owing to a breakdown in the boiler.

NEWS NOTES.

Henderson, Ky.—Jacob Hoffman and Mrs. Ellen Shouley were married Jan. 20th.

Brockton, Mass.—H. E. Barker, 75 Myrtle street has gone out of the florist business.

New Haven, Conn.—Herman Trisch, Lilac street, intends to retire from the florist business.

New York, N. Y.—Ordonez Bros. have moved to more commodious quarters, 900 Sixth avenue.

Atlantic City, N. J.—The store and greenhouses of Mrs. Fleming have been leased by George W. Berke.

St. Louis.—The Burnes Floral Co. closed its place at Grand and Finney aves. Miss Burnes reports that they will open up this month on Easton ave., just west of Taylor ave.

Brooklyn, N. Y.—A store for the sale of hardy ferns, etc., has been opened at 93 Broadway by A. L. Fortunes. He was for years collector and dealer in florists' greens at New Haven, Conn.

Detroit.—W. B. Brown, who dominates upper Woodward avenue, has had a series of misfortunes. One week ago an ice cart broke his delivery wagon in a collision and while going for the wrecked car in a buggy, the horse ran away and broke the buggy. This week an auto amputated two wheels from his other delivery wagon and as the first wagon is able to be around again, he expects to report another accident next week.

Detroit.—Business and weather went hand in hand, one was busy, another

idle, but the average seems to have been satisfactory and compares favorably with last year, while supply was about equal to the demand, but much lower than one year ago. Local retailers report having many calls for luncheon and dinner decorations at the same time disposing of a great quantity of flowering plants, nothing big, but always something doing.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Kenewick, Wash.—The Kenewick Nurseries opened for business Feb. 1st.

CARNATIONS

Let us call your attention to the possibility of buying carnations at many prices, BUT, if you want to make sure of getting the **BEST QUALITY**, let us supply you. On account of the changing markets, we would rather not name a price here, but guarantee our prices will always be **THE LOWEST** market price.

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PETER REINBERG

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POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

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FLORIST

24 Stone St., Rochester, N.Y.

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To Cut Flower Growers and Retail Florists

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want a regular or special supply of the product of the best growers

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Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO Feb. 7	WIN CITIES Feb. 7	PHILA. Feb. 7	BOSTON Feb. 9
Ara. Beauty, Fancy and Special...	40.00 to 50.00	40.00 to 50.00	60.00 to 75.00	50.00 to 75.00
Extra.....	30.00 to 40.00	30.00 to 40.00	50.00 to 60.00	30.00 to 40.00
No. 1.....	20.00 to 30.00	15.00 to 30.00	35.00 to 50.00	15.00 to 35.00
Lower grades.....	8.00 to 15.00	5.00 to 15.00	25.00 to 35.00	6.00 to 12.00
Bride, 'Maid, F. & S.....	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00
Lower grades.....	4.00 to 6.00	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00
Richmond, Chateaux, Fancy & Special	10.00 to 12.00	8.00 to 12.00	15.00 to 20.00	15.00 to 20.00
Lower grades.....	5.00 to 8.00	6.00 to 8.00	6.00 to 10.00	4.00 to 10.00
Killarney, My Maryland, Fan. & Spl.	10.00 to 12.00	8.00 to 12.00	12.00 to 15.00	10.00 to 15.00
Low. grades.....	5.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00
CARNATIONS, First Quality.....	3.00 to 4.00	4.00 to 5.00	5.00 to 6.00	3.00 to 4.00
Ordinary.....	2.00 to 3.00	3.50 to 4.50	..... to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	60.00 to 75.00	..... to 40.00	30.00 to 40.00
Cypripediums.....	15.00 to 20.00	15.00 to 20.00	..... to 15.00	10.00 to 15.00
Cults, Longiflorum.....	12.00 to 15.00	12.00 to 15.00	..... to 15.00	8.00 to 12.00
Lily of the valley.....	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	1.00 to 1.50	.75 to 1.50	.50 to 1.00	.30 to .50
Mignonette.....	3.00 to 6.00	4.00 to 7.00	5.00 to 6.00	2.00 to 3.00
Lilac, per bunch.....	..... to 7.50	7.50 to 10.00	1.00 to 1.50	..... to .75
Tulips.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	1.00 to 3.00
Roman Hyacinths, Paper Whites..	2.00 to 3.00	3.00 to 4.00	..... to 4.00	1.00 to 3.00
Daffodils.....	2.00 to 4.00	3.00 to 4.00	..... to 4.00	1.00 to 3.00
Daisies.....	..... to 1.00	..... to 1.00	2.00 to 3.00	..... to 1.00
Snapdragon.....	..... to 1.00	..... to 1.00	12.00 to 15.00	6.00 to 8.00
Sweet Peas.....	.75 to 1.00	1.00 to 1.25	.75 to 1.00	.50 to 1.00
Gardenias.....	40.00 to 50.00	20.00 to 25.00	25.00 to 35.00	25.00 to 35.00
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax.....	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00
" " & Sprea. (100 bch)	25.00 to 40.00	25.00 to 35.00	50.00 to 75.00	25.00 to 40.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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BOSTON, MASS.

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Roses and
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A Specialty.....

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51 Wabash Ave., Cut Flowers
CHICAGO, ILL. ALWAYS GOOD,
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We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

Flower Market Reports

BOSTON Squally weather and heavy snow have cut down flower buying for the past few days. Business has not been brisk on any line yet there is sufficient call for some things to make a little stir—particularly for white roses and white carnations both of which hold well up to highest quoted values. All roses are scarce, in fact. American Beauty is especially in short supply and also averages low in quality. Bulbous flowers are plentiful and inclined to accumulate, with prices low and still dropping. Violets suffer from the inclemency of the weather which interferes with their use for street wear. On the other hand, gardenias are very scarce and are sold as soon as they appear. The general run of market prices does not vary materially from last week's quotations.

The shortage of stock continues as during the past weeks, the slight reduction in price being caused by the decrease in demand, rather than because of increase in supply. It is a condition deplored alike by all in the trade and if there is any lesson to be learned from it or any way to prevent this annual occurrence Chicago growers are ready to learn it. The shortage is felt most in roses and with the heavy snow fall of Sunday night there is little probability of any immediate change. Shipping orders have been delayed by the storm which has been general and incoming flowers have likewise suffered in being long on the way. Trains are now coming through on time and no more trouble is expected in that direction. Carnations do not vary much from previous quotations but plenty of "splits" can be purchased when these will answer. Ferns are now bringing \$2.50 per 1000. Asparagus plumosus is scarce and smilax is about equal to demand. Lilies are plentiful enough but differ much in size and quality. Bulb stock is unusually good and selling well at a fair price.

CINCINNATI Dark and cloudy weather for the past two months. Since December 1st we have had approximately one week of sunshine; as a result roses and carnations are naturally on the short side of the market. The supply of Beauties is not large, and with a moderate demand the receipts suffice to satisfy the buyers. The rose market is easier but with no great increase in supplies. White roses are in fairly good supply. Killarney and other pink sorts are decidedly scarce. Of carnations, the demand is far in excess of the supply. Narcissi are coming in less freely and with a very good request there has been a slight advance in price. The receipts of both jonquils and tulips is very limited. Miniature Dutch hyacinths have made their appearance and clean up nicely. Roman hyacinths find a fair request. Marguerites meet with a ready market. Longiflorum lilies are being received in goodly numbers and move to advantage as do callas. There seems to be no let up in the supply of double violets. While the price at present is exceedingly low it should advance as St. Valentine's Day approaches. Singles are less abundant and move freely. The supply of lily of the valley is fair with a very light call. Asparagus



PUSSY WILLOW

A few of those soft, furry, tufted sprays artistically tied on each St. Valentine's box of flowers, gives it a touch of originality and distinctiveness, bringing trade which your less progressive neighbor wonders how you get.

**\$3.00 per dozen
bunches;
very choice**

SOME SPLENDID NEW ROSES

New Forcing Irish Rose "**Melody**" the very best yellow rose today. Also the "**Double Pink Killarney**." Heavy orders already booked. Stock limited. Orders filled strictly in rotation. Delivery in March. Two other good ones of this season, "**Prince de Bulgarie**" and "**Rose Queen**" are also on our list. Send for prices and particulars.

S. S. PENNOCK - MEEHAN CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Av.

WHOLESALE FLOWER MARKETS. — TO DEALERS ONLY.

	CINCINNATI Feb. 7		DETROIT Feb. 7		BUFFALO Feb. 7		PITTSBURG Feb. 7	
ROSES								
Am. Beauty, Fan, and Sp.....	25.00	to 35.00	30.00	to 35.00	30.00	to 50.00	40.00	to 50.00
" Extra	20.00	to 25.00	25.00	to 30.00	15.00	to 20.00	20.00	to 30.00
" No. 1	15.00	to 20.00	20.00	to 25.00	10.00	to 15.00	10.00	to 15.00
" Lower grades.....	8.00	to 15.00	6.00	to 15.00	5.00	to 7.00	5.00	to 8.00
Bride, "Maid, F. & S.	6.00	to 8.00	7.00	to 10.00	10.00	to 12.00	6.00	to 8.00
" Low gr.	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	3.00	to 4.00
Richmond, Chateaux, Fancy & Special	8.00	to 10.00	8.00	to 12.00	.....	to 15.00	8.00	to 12.00
" Lower Grades...	6.00	to 8.00	4.00	to 8.00	6.00	to 10.00	6.00	to 8.00
Killarney, My Maryland, Fan. & Spl.	6.00	to 8.00	7.00	to 10.00	10.00	to 15.00	8.00	to 12.00
" Low Grades	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	4.00	to 5.00
" Ordinary .....	.....	to 2.00	.....	to 2.00	2.00	to 3.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas .....	.....	to 75.00	.....	to 50.00	50.00	to 60.00	.....	to 75.00
Cypripediums .....	.....	to 15.00	.....	to 10.00	10.00	to 15.00	.....	to 15.00
Lilies, Longiflorum.....	8.00	to 12.50	12.50	to 15.00	12.00	to 15.00	.....	to 15.00
Lily of the Valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets .....	.25	to .50	.50	to 1.50	.50	to .75	.50	to .75
Mignonette .....	.....	to 6.00	.....	to 3.00	3.00	to 4.00	.....	to 6.00
Lilac, per bunch.....	.....	to 1.00	.....	to 1.00	.....	to 1.50	.....	to 1.50
Tulips	2.00	to 3.00	.....	to 3.00	3.00	to 4.00	2.00	to 4.00
Roman Hyacinths, Paper Whites	1.00	to 2.00	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Daffodils .....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	.....	to 6.00
Daisies.....	.....	to 50	1.00	to 2.00	.....	to 1.00	.....	to 3.00
Snapdragon.....	4.00	to 8.00	3.00	to 6.00	.....	to 6.00	6.00	to 8.00
Sweet Peas .....	.....	to .50	.....	to 1.50	.50	to 1.00	.50	to 1.00
Gardenias.....	.....	to 30.00	.....	to 40.00	40.00	to 50.00	.....	to 30.00
Adiantum .....	.....	to 1.00	1.00	to 1.50	.50	to 1.50	.....	to 1.50
Smilax	10.00	to 12.50	12.50	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	20.00	to 30.00	40.00	to 60.00	30.00	to 50.00
" & Spreng (100 brchs.)	25.00	to 35.00	20.00	to 30.00	35.00	to 50.00	30.00	to 50.00

Sprengeri and plumosus is in active demand with the request for the latter heaviest.

ST. LOUIS

The St. Louis cut flower market was in much better condition

last week than any time since the first of the year. There was plenty of stock excepting roses, which have been off crop for some time and are so still. Good

(Continued on page 181)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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Wholesale Florist
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Growers of flowers for New York market start the season right
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Madison Sq.

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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Feb. 4 1911		First Half of Week beginning Feb. 6 1911	
American Beauty, Fancy and Special.....	40.00	to 60.00	40.00	to 60.00
" " Extra.....	30.00	to 30.00	20.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Bride, 'Maid, Fancy and Special.....	6.00	to 12.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 3.00	2.00	to 5.00
Richmond, Chatsenay, Fancy and Special.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	2.00	to 6.00	2.00	to 6.00
Killarney, My Maryland, " Fancy and Special.....	6.00	to 12.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 4.00	2.00	to 6.00
Carnations, First Quality.....	3.00	to 4.00	3.00	to 4.00
" " Ordinary.....	2.00	to 3.00	2.00	to 3.00

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

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REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in
Glassware, Decorative Greens and Florists' Requisites

Flower Market Reports

(Continued from page 153)

roses are hard to get and prices remain away up. Carnations are quite plentiful and this is the first week since the first of the year that any carnations were left over after morning sales. Same may be said of violets, of which thousands were dumped as low as \$1.00 per 1000. Bulb stock, too, could be bought cheap any day during the week. Good lilies sell well at \$15 per 100. Sweet peas have also been a glut and hard to dispose of. Wild smilax has sold well. We all expect a good business for St. Valentine's Day and plenty of stock on hand for orders placed early.

Last week's report on **NEW YORK** this market might well suffice for the present. No change of any sort worth noting has taken place. The very stormy weather has not helped to improve what was a very light demand, considering the season, nor to increase the very limited supply of roses, gardenias and cattleyas. Neither does it improve the quality of the bulb stock which is coming along as rapidly as wanted, if not more so. Violets are happy, of course, under the circumstances, but their owners find little comfort as the weather conditions which favor their growth do not favor their sale. Carnations are in fair supply and good quality, whites having the best of it for the present. St. Valentine's Day should count for something next week, if pleasant skies attend it.

Stock continues **PHILADELPHIA** scarce here. Usually at this season the lengthening days should bring in supplies in increasing quantities; but this year is an exception. Not in the memory of the oldest trader have we had such a dark fifty days in mid-winter. A few bright days now would bring things along with a rush. According to the U. S. Weather Bureau at Philadelphia we have had only one clear day since New Year and that was on Feb. 5th. There is a fairly good line of general trade, but the volume is probably below that of previous years, else we would have seen ere now an unprecedented scramble for stock, considering the weather conditions. It is said that public entertainments, such as the mid-winter ball and so forth, have been as numerous as usual, but that the number of strictly private affairs have been fewer. American Beauty roses are a trifle more plentiful and of better quality.



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4501 Main

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb. 4 1910		First Half of Week beginning Feb. 6 1911	
Cattleyas.....	20.00	to 40.00	30.00	to 50.00
Cypripediums.....	8.00	to 12.00	8.00	to 10.00
Lilies, Longiflorum.....	8.00	to 10.00	8.00	to 10.00
Lily of the valley.....	1.00	to 2.50	1.00	to 3.00
Violets.....	.20	to .50	.20	to .50
Mignonette.....	2.00	to 8.00	2.00	to 8.00
Lilac, per bunch.....	.50	to .75	.50	to .75
Tulips.....	2.00	to 4.00	2.00	to 4.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snapdragon.....	3.00	to 6.00	4.00	to 6.00
Sweet Peas (per 100 bunches).....	4.00	to 8.00	4.00	to 10.00
Gardenias.....	30.00	to 40.00	35.00	to 50.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

These do not seem to be such good sellers, however, and prices have eased up in spite of the stringency and other factors noted above. Richmonds are not selling quite so well either, for some reason not easily defined. Killarneys are the favorites at present in pinks and are of extra good quality, we seldom see them so well colored as they are now. The white rose market feels the shortage about as much as anything. While the supplies have increased the demand has more than kept pace. Good judges looked for quite a tumble in carnations about the end of the week, but these have held their own and are at this writing as high and firm as at last report. Orchids, gardenias, lily of the valley, lilac and violets all continue in good demand with prices unchanged. A spurt is expected on the latter for St. Valentine's day. For the same occasion there will doubtless be a good demand for spring flowers, such as daffodils, sweet peas, freesias, tulips, Roman hyacinths and other moderate-priced subjects. These like most everything else are cleaning up at better figures than usual.

FIRE RECORD.

Kennett Square, Pa.—Fire destroyed a grafting house at the Willowbrook Nurseries, Jan. 19th.

W. Springfield, Mass.—The west wing of the greenhouse owned by Hans Madson, New Bridge street, was damaged by fire Jan. 31st to the extent of several hundred dollars. The greater portion of this loss is in stock. It will be necessary to erect an entire new section.

Adams, Mass.—During the gale of January 27th the storm played havoc with the greenhouse at the Brown residence on Commercial street, considerable glass being broken.

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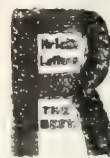
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10,000....\$1.75; 50,000....\$7.50. Sample free.
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SOUTHERN WILD SMILAX

Now ready in limited quantity.

E. A. BEAVEN

EVERGREEN, ALABAMA.

Buyer's Directory and Ready Reference Guide

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Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Adiantum cuneatum and *Farleyense*, large clumps from bench, \$8.00 per 100; \$75.00 per 1000. Cash, please. Albert F. Amling Co., Maywood, Ill.

AGERATUMS

Ageratum Stella Gurney R. C., 50c 100; \$4.00 1000. Cash.

J. P. Cannata, Mt. Freedom, N. J.

Ageratum, 3 inch, \$4.00 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS

Alternanthera Brillantissima and *Aurea Nana*, rooted cuttings, 60c. per 100; \$5.00 per 1000. Leonard Long, Oakhurst, N. J.

ALYSSUM

Double giant alyssum, 70c per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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Asparagus plumosus, fine 3-in., \$5.00 per 100; 2½-in. Sprenger, \$2.00 per 100. Weber Bros., Ironton, Ohio.

Asparagus Sprengeri, ready for shift, 3-in., 4c. Cash. Morris Floral Co., Morris, Ill.

ASTER SEED

Herbert & Fleishauer, McMinnville, Ore.
Oregon-Grown Aster Seed.
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Elmer D. Smith & Co., Adrian, Mich.
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The Crego Aster is the biggest money-maker for the florist of any aster grown. Buy direct from introducer. Colors: White shell pink, rose pink and blue ¼ oz. \$1.00, ½ oz. \$2.00, ounce \$4.00. Cash with order. G. S. Crego, 736 E. Main St., Portland, Oregon.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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John McKenzie, North Cambridge, Mass.

BAY TREES.

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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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BEDDING AND GREENHOUSE STOCK.

Dreer's mixed double Petunias, Princess Alice Stock, Snapdragon, mixed Coleus, Lobelia Kathleen Mallard, 2 in., \$2.00, 100; 3 in. double Alyssum, \$4.00, 100; Pelargoniums, Rose Geraniums, 2 in., \$4.50, 100; 4 in., \$10.00, 100; Geraniums R. C., \$11.50, 1000; \$1.25, 100; 2 in., \$2.00, 100; \$18.00, 1000; Poitevine, Casteline R. C., \$1.40, 100; \$13.00, 1000; English Ivy R. C., \$1.00, 100; Stock plants, Chrysanthemums, \$3.00, 100; Stock Poinsettias, \$6.00, 100; 75c., doz. Cash. Port Allegany Greenhouses, Port Allegany, Pennsylvania.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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BEGONIAS

Thomas Roland, Nahant, Mass.

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A. Leuthy & Co., Roslindale, Mass.

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John McKenzie, North Cambridge, Mass.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOOKS

M. A. Hunt Floral Co., Terre Haute, Ind.
"How to Grow Cut Flowers."

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

French and Dutch Bulbs.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand

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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Spring Bulbs.

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E. S. Miller, Wading River, N. Y.

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Wm. Elliott & Sons, New York, N. Y.
Begonias and Gloxinias.

CACTI

Cacti Free. The most wonderful plant grown. I live where they grow and make a specialty of collecting for dealers at low wholesale rates—\$3.00 per 100 up. A fine \$5.00 specimen given free with first order for 100. Price list and large pkt. of Cacti seeds for 5 cts. in stamps. Order at once. Mrs. S. L. Pattison, Wholesale and Retail Dealer in Cacti, Mesilla Park, New Mexico.

CALIFORNIA PRIVET

Carlman Ribsam, Trenton, N. J.
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CANNAS

Wood Bros., Fishkill, N. Y.

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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

Cannas, 2 to 3 eyes, dry roots. Louisiana, Pennsylvania, \$1.25 per 100. Austria, Italia, 60c. per 100. Cash. Wm. Bierstadt & Son, Springfield, Ill.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
Two New Carnations.

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Chicago Carnation Co., Joliet, Ill.

Carnation Washington.

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Harlowarden Greenhouses, Greenport, N. Y.
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Shepard's Garden Carnation Co., Lowell, Mass.

Rooted Cuttings.

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S. J. Reuter & Son, Inc., Westerly, R. I.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Wilsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

Sangamo carnation cuttings, \$6.00 per 100, \$50.00 per 1000, or will exchange for Pink Delight or Dorothy Gordon cuttings. Rolf Zetlitz, Lima, Ohio.

Rooted carnation cuttings. Victory, Beacon and Pink Imperial, \$3.00 per 100; \$25.00 per 1000. Cash. David A. Dean, Baldwin, L. I., N. Y.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Elmer D. Smith, Adrian, Mich.
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CHRYSANTHEMUMS — Continued

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemum Stock Plants. Early Snow, Kalb, Poehlmann, Eaton, Nonin, Baby Margaret, Gloria, Duckham, M. F. Plant, Leo (Pink Pompon), Cullingfordii, Georgianna Pitcher, Nagoya, etc., \$3.00 per 100; Pres. Taft, Golden King, Mrs. Kelley, 60c. per doz., \$4.00 per 100; Mrs. Wm. Wincott (White) and Mrs. A. R. Peacock (Pink), 1910 Novelties, \$1.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

CHRYSANTHEMUM STOCK PLANTS, all ready now. **OCTOBER FROST, GOLD-EN GLOW, ROSIERE, MONROVIA**, \$3.00 per 100; \$20.00 per 1000 assorted. **POEHL-MANN, GOLDEN EAGLE, CHADWICK** and **YANOMA** \$4.00 per 100; \$30.00 per 1000. **PRES. TAFT**, white, **MRS. W. E. KEL-LEY**, yellow, both novelties last year, \$5.00 per 100. **I. M. RAYNER**, Greenport, N. Y.

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias, large flowering dwarf, the finest shades, 3 inch, \$3.50 per 100; 2 inch, \$2.00 per 100. Cash. **J. W. Miller**, Shiremanstown, Pa.

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt**, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Coleus, 2½ inch, \$15.00 per 1000. **R. C.**, \$4.00 per 1000. **Sunnyside Greenhouses**, Barberton, Ohio.

Coleus, a grand collection, named, 70c. per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. **C. Humfeld**, Clay Center, Kan.

Coleus, rooted cuttings, 17 varieties, \$4.00 per 1000, 60c. per 100 by mail, cash. **C. Schulze & Son**, 261-275 Lawrence St., Flushing, N. Y.

Coleus, Pfister (red and yellow), Verschaffeltii and Golden Bedder, \$6.00 1000. **The Geo. Wittbold Co.**, Edgebrook, Chicago, Ill.

Coleus, rooted cuttings, \$4.00 per 1,000. **Fowlerville Floral Co.**, Flushing, N. Y.

CUPHEAS

Cuphea (cigar plant), \$1.00 per 100; \$8.00 per 1000. We pay express charges on all rooted cuttings. Satisfaction guaranteed. **C. Humfeld**, Clay Center, Kan.

OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co.**, Milwaukee, Wis.

CYCLAMEN

Thomas Roland, Nahant, Mass.
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John McKenzie, North Cambridge, Mass.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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DAHLIA—Big stock, big clumps, best sorts. **C. Betscher**, Canal Dover, O.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? **Geo. H. Walker**, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the **Eastern Dahlia King**, **J. K. Alexander**, E. Bridge-water, Mass.

Dahlias 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. **J. L. Moore**, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS — Continued

DAHLIAS NEW FOR 1911.
Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. **Peacock Dahlia Farms**, Williams-town Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, fine stock for growing on, from 2 in. pots, \$2.00 per 100; 2½ in., \$2.50 per 100. Cash. **Wettlin Floral Co.**, Hornell, N. Y.

Dracaena indivisa, strong 3-in., 5c; 5-in., 15c. Cash. **Morris Floral Co.**, Morris, Ill.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. **Wm. Nilsson**, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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Eastern Nurseries, Jamaica Plain, Mass.
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T. C. Thurlow's Sons, West Newbury, Mass.
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FERNS

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Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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A. N. Pierson, Cromwell, Conn.
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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. **F. M. Soar**, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. Boston. **Whitmanil**, **Scotti** and **Piersoni**, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. **A. G. Lake**, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson**, Fern Specialist, Short Hills, N. J.

Neph. Whitmanil and **Scotti** from 2½ inch pots, \$3.00 per 100. Runners from bench, \$15.00 per 1000. **Scholzeli**, 2½ inch, \$5.00 per 100. **Leonard Long**, Oakhurst, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth for lawns and gardens. **George Stevens**, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. **The Humus Products Co.**, 292 North Sixth St., Newark, N. J.

FEVERFEW

Feverfew Little Gem, the best, \$1.25 per 100, \$10.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. **C. Humfeld**, Clay Center, Kan.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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FLOWER POTS

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by **F. A. Waugh**, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUCHSIAS

Skidelsky & Irwin, Philadelphia, Pa.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Otis F. Searles, Nashua, N. H.
Geranium Cuttings.

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Geraniums, **R. C.**, best varieties, \$9.00 per 1000. **Sunnyside Greenhouses**, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, **S. A. Nutt**, \$11.50 per 1000; **Ricard** and **Poitevine**, \$14.00 per 1000. **Albert M. Herr**, Lancaster, Pa.

Geraniums from 2½ in. pots, **S. A. Nutt** \$18.00, **Ricard** \$20.00 per 1000; large well grown plants, satisfaction guaranteed. Stock plants, \$5.00 per 100. **Quaker Hill Nurseries**, Monroe, N. Y.

10,000 extra strong rooted cuttings now ready; single Grant, dazzling scarlet, most free flowering bedder, \$7.00 per 1000 to close out. Cash. **N. A. Corlin**, Elberon, N. J.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. **C. Betscher**, Canal Dover, O.

America gladiolus bulbs ready for shipment. Write for prices. **B. B. Currier**, Seabright, Cal.

Gladiolus America, 1¼ in. to 2¼ in., \$3.00 per 100; \$25.00 per 1000. **W. Frank & Sons**, Portland, Ind.

GLASS

Boston Plate & Window Glass Co., Boston
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Standarn Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lora & Burnham Co., 1133 Broadway, New York.

A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

Hitchings & Co., 1170 Broadway, N. Y.
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King Construction Co., N. Tonawanda, N. Y.
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A. T. Stearns Lumber Co., Boston, Mass.
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William H. Lutton, Jersey City, N. J.
Horticultural Architect and Builder.
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D. Iliffe, Boston, Mass.
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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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HEATING APPARATUS

Lord & Burnham Co., 1133 Broadway, New York.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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James Backhouse & Son, Ltd., York, England.
Alpine and Herbaceous Plants.
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HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.
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Lord & Burnham Co., 1133 Broadway, N. Y.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES

Nicotinic kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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German and Japanese Iris.
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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

IVIES

English Ivy, large leaves, 3 in. pots, fine plants, \$5.00 per 100; \$45.00 per 1000. Wm. Schwan & Son, Fredonia, N. Y.

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

500 surplus German Ivy, 2 inch, 2 cents each. E. A. Chipman, Woonsocket, R. I.

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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Nursery Stock For Sale. 800 Evergreens in all varieties; 900 Maple, Norway and Rock, 8 to 15 feet; 700 Willow, 8 to 12 feet; 1000 large Shrubs in all the best varieties; Vines, Roses and Perennials, the best varieties. All clean stock. We are obliged to remove this stock this spring as our lease has run out and our other fields are nearly full. Prices will be satisfactory as we must clean the stock out. Pierce's Nursery, Beverly Farms, Mass. Telephone 97.

ONION SEED

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Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 105.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2300 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

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PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PANSY PLANTS

Pansy plants. Small seedlings from seedbed, of finest strains, in mixture, just the thing for transplanting and growing on; by mail, 25c. per 100. Russell Bros., R. R. 4, Syracuse, N. Y.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PETUNIAS

Henry A. Dreer, Philadelphia, Pa.
Double Petunias.
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Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

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John McKenzie, North Cambridge, Mass.
Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

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Lady Gay and Dorothy Perkins roses, field-grown, cut back to 2 or 3 ft. of wood, \$5.00 per 100; \$40.00 per 1000; 500 at 1000 rate. Florence Nursery, Florence, S. C.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barberton, Ohio.

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Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

SPHAGNUM MOSS
Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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SWEET PEAS
Winter flowering sweet peas, ready to transplant, 40c. per 100; cash. Port Alleghany Greenhouses, Port Alleghany, Pa.

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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS
Vinca variegata rooted cuttings, \$1.00 per 100. Russell Bros., R. F. D. No. 4, Syracuse, N. Y.

VIOLETS
Marie Louise violet blooms. No. 1 quality, 75c. per 100; ordinary, 60c. Cash with order, please. A. S. Fraleigh, 10 Clark St., Holyoke, Mass.

In writing to Advertisers kindly mention Horticulture

WILD SMILAX

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PLENTY OF CHEAP POTASH.

A misapprehension evidently exists regarding the danger of a shortage of potash for the American farmer. This has arisen through a misunderstanding of the purpose of the new German potash law. This law does not aim to restrict the production of potash, but on the contrary expressly seeks to increase it. The commission that fixes the probable yearly demand of the world must provide each year for an increase over the consumption of the previous year. The mines have spent millions of dollars in trying to increase sales, and this policy will continue.

The commission is required to annually estimate the domestic (German) requirement and the amount needed for export. Because it happens that the present German requirement is equal to the export needs, some have understood that the law forbids an export quantity greater than the German consumption. This is by no means true. The Germans are only too glad to have the foreign demand increase.

The law in this respect is flexible; thus, if the commission should find that the German and export amounts for 1910 were practically equal, they

would fix the same proportion for 1911, increasing each in the same amount. However, should it appear at any time, say in February or March 1911, that the foreign orders were likely to be in excess of the amount estimated, the commission has the power to at once make the foreign allowance greater than the domestic, and would undoubtedly do so.

This is quite in line with the purpose of the mines in organizing their own company in America, the object of this American company (German Kali Works) being to sell as much potash as possible to everyone, farmer or dealer, at reasonable prices and to aid all willing manufacturers and dealers in their efforts to supply the farmers' potash requirements. To this end they carry extensive stocks of potash, especially in South Atlantic ports, and take orders for direct importation in single carload lots. Any farmer can import direct through South Atlantic ports a car of kainit and have it put on board the cars, bagged, tagged, and all taxes paid, for nine dollars per ton cash. Prices to jobbers and mixers are lower by the usual margin fixed by the manufacturers in the past.

AN UP-TO-DATE CHICAGO RANGE.

The term up-to-date as applied to many of the more or less modern greenhouses about Chicago, unquestionably is often a misnomer. In the new block of houses at the Morton Grove establishment of Poehlmann Bros., thirteen of which are now being enclosed for early planting, there are features that cannot be found in any other plant in the west. The thirteen houses are built 27 x 250 ft., and when the succeeding sections of the same size shall be completed will make a block of twenty-six, each 27 x 1400 ft., a pretty good-sized plant of itself.

The section now nearing completion is fitted with Garland gutters and Poehlmann Bros' own plan of truss construction. Gutters are sufficiently high to allow a free circulation of air and an unobstructed view. All will be fitted with sectional cement benches, so practically all the wood used is the sashbars.

A special feature of this new range is its boiler room and service shed with its wonderful facilities for handling the coal for the twelve large self-feeding boilers. A track is laid outside the shed for ordinary cars, but most of the coal will be run over a track through the shed and over the coal bins into which the cars will dump their contents, entirely eliminating all labor of handling.

A large machine shop with power machines is a very busy part of the establishment. Here are finished all the angle iron and truss construction used in the erection of the houses. Huge vats for manure water are housed in a service shed just east of the power house which also contains the work done for the manufacture of cement benches which are turned out to the building contractor all ready for erection. Cement benches of various kinds have been carefully tested by this company for the past four seasons and that they are using them exclusively in the erection of their new houses proves that the test has been satisfactory.

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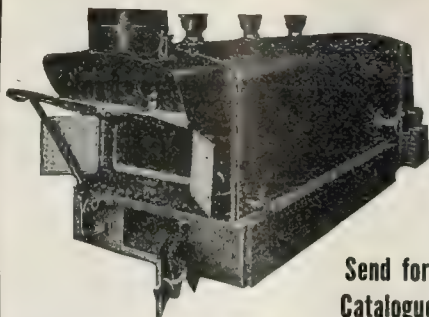
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NEWS NOTES.

Roswell, N. Mex.—Frank O. Santherson has leased the Alameda Greenhouses.

Peru, Ind. J. R. Duncan has sold his farm at Julian and will continue his nursery business here.

Brighton, Mass.—The greenhouse of Morey Bros. at Oak square has closed temporarily. Will probably reopen about March 1st.

Buffalo, N. Y.—Property at Broad-

way and Panola street has been purchased by Robert Sheinuck upon which he will build a residence and establish a nursery business.

Crawfordsville, Ind.—The Vant Leven gardens have been leased by Arthur S. Pett, formerly employed with McDonald & Steele. He intends to do wholesale gardening in both vegetables for market and plants for the wholesale trade as well as a retail florists' business.

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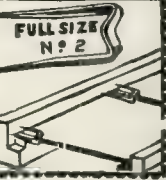
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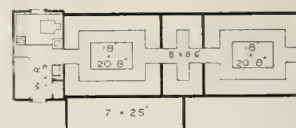
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HORTICULTURE

Vol. XIII.

FEBRUARY 18, 1911

No. 7



NEW GARDEN ROSE SILVER MOON

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Fruit and Vegetables Under-Glass

LATE HOUSES

All pruning, cleaning, top dressing, etc., should be pushed along now and completed before the end of the month, so that all houses shall be finished before the buds commence to swell. All houses should have a thorough wash down—glass, woodwork, walls, etc.; this is the first step towards eradicating last year's pests. Remove any loose bark from vine rods and give one or two washings with Gishurst's Compound. The main stems of peach trees can also be washed and the trees sprayed over with X. L. ALL, or Aphine, or other approved insecticide if red spider or other pests were troublesome last year.

Houses intended for late work should be kept as cool as possible. Keep a night temperature of 35 to 38 degrees and give all the air possible through the day after 40 degrees has been reached. Peach and nectarine trees should be tied in before the buds commence to swell or they will be easily broken off.

TOMATOES

Tomatoes sown the first of the year will now be rooting through the soil in the benches. If the latter were only half filled a little top dressing will be beneficial giving just enough soil to cover the roots. Feeding should be withheld for a time. Wait until the plants have four or five trusses of fruit set, with the first one half grown. Keep a drier atmosphere about noon and give the plants a sharp shake to distribute the pollen. Any showing a shyness to set should be fertilized with a soft hair brush or piece of fur. Remove all side shoots when tying. Do not syringe the plants overhead; sufficient moisture can be maintained by damping the walks, walls, etc., two or three times a day, according to the atmospheric conditions outside.

MUSHROOMS

Beds made up last fall will now be running out and can be replenished by making up new beds at once. A quantity of manure should be got together as quickly as possible from the stables and placed in a shed or cellar where it will have a chance to dry and also to keep it from the frost. If it is allowed to freeze the ammoniated properties are impaired. By getting manure together quickly it is nearly the same age and prepares with a more even tenor than if only a little is got each day. Another point to be guarded against is getting manure from any stable where horses have been having physic. Certain chemicals are imparted to such manure which is detrimental to the growth of the mycelium. Beds have proved a failure, and the fault has been laid to bad spawn or other defects in their culture, but, were the truth known, this bad manure has caused all the trouble.

When a sufficient quantity of manure has been secured turn it twice a day and pick out most of the long straw until it heats to an even temperature each day and has become slightly dryer. Make the beds up by ramming the manure quite firm into the benches. The harder the manure is made the better it is, for a loose bed never retains its heat as it should. Spawn, when the heat is on the decline, at 75 degrees to 80 degrees and cover over with an inch of virgin loam a week or ten days later when the bed has dropped to 70. Watch that the bed does not rise again over 80 degrees after spawning or the tender mycelium will be injured. Keep an atmospheric temperature of 50 to 55 degrees. Damp the

walls, floors and surface of the beds to keep the latter from drying out.

There is much that is edifying as well as interesting, which has appeared in HORTICULTURE in the letters by Mr. Farrell and later by Mr. Orpet and my experience has taught me that what has been said by these gentlemen is correct. I should like to endorse Mr. Orpet's statement wherein he says "Many people think that all we have to do is to 'sow' the seed" and the rest follows. I would like to add a rider—there is nothing so uncertain as a mushroom bed. Even bread is more certain to raise than mushrooms. The one thing that is sure is plenty of hard work. As I have written before the whole secret is in the curing of the manure and here is another point—temperature at spawning. In previous notes I have advocated spawning when the heat is declining from 80 to 75. This I consider the best and safest temperature but looking back to when I was a beginner, I can well remember an old kitchen garden hand who had been raising mushrooms for years and may still be doing so who always waited until his bed had receded to 65 to 69 and he raised more mushrooms from one bed than it has fallen to my lot to see since. I watched all the preparations and, conversing with him on the subject, he told me that they might take a week or so longer to come, but that when once here the mycelium had come to stay. There was much in what he said and it serves to demonstrate the lasting abilities of a bed when growing cool.

Speaking of temperatures again, I once saw mushrooms grown very successfully in a disused mansion-house cellar, having no heat whatever. This naturally was cool in the summer and the bed kept on bearing until the temperature dropped to 40 degrees but the best results were obtained with the temperature about 50.

PARSLEY

Parsley will now be getting scarce and a sowing can be made to help out the fast diminishing old stock. Sow in flats and prick off as soon as ready, using either flats or small pots. By using small pots and potting on into 4-inch pots before planting out in the bench or frame, quicker results are obtained than by using flats. Parsley can also be sown in drills on the bench, 18 in. apart.

PEPPERS

A sowing of peppers can be made now and grown on cool. An early batch can either be finished in pots or half-grown and planted out in the spring, thus securing an early crop.

George H. Benson

Rose Silver Moon

We had the pleasure of illustrating this sterling novelty some months ago, but the photograph used did not do justice to the subject and we think our readers will all agree that the picture presented on our title page this week is well worthy of the honor. This rose, introduced by Peter Henderson & Co., is a hybrid between R. Wichuraiana and the "Cherokee" rose (R. sinica). The petals are waxy white and the stamens bright yellow, the blooms measuring 4½ inches in diameter and delicately fragrant. The foliage is bronzy green and glossy, and there is no question that in Silver Moon we have a worthy candidate for the hardy rose garden.

HORTICULTURE

VOL. XIII

FEBRUARY 18, 1911

NO. 7

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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"Something
doing"

We are glad to learn from the annual address of President C. L. Washburn of the Illinois State Florists' Association, at Urbana, the other day, that this body had joined in a successful protest to the Illinois Board of Railway and Warehouse Commissioners against the exorbitant rates charged by the express companies. This is practical work with a tangible, direct advantage to the horticulturists of the State and any man who, participating in the benefits thus gained, still withholds his moral and financial support from such an Association can hardly expect to retain the respect of his fellows.

Costly
inaction

A correspondent writes to us strongly condemning the apathy of the flower trade as a whole as compared with the concerted activity in other lines of commercial industry in holding up their products in their most attractive form before the public eye. He is everlastingly right when he suggests that much of the money now spent for valentines and birthday gifts of one kind or another might, by the use of modern publicity methods, be diverted to the florist's pocket. It is said that the furniture men's appropriation for such purposes is no less than a quarter of a million dollars annually. Our efforts are confined to a few flower shows and in these, in the majority of cases, suggestion and education in the use of flowers is the last thing thought of. We hope the day is not far off when the flower and plant trade will wake up to their deplorable remissness and, putting aside individual interests for the time being, get together to make a noise on behalf of their business as other people do.

A pernicious
bill

The proposition to raise the postage rates on magazines and certain classes of periodicals, which include the trade papers, is one which naturally causes much uneasiness in the publication offices. Its full import is, however, not generally realized by the people among whom these papers circulate and thus the tremendous restraining influence which might be brought to bear upon members of Congress is lost to those who are fighting this battle on behalf of their subscribers as well as for themselves. For, be it known, that if this law should be enacted the extra cost must eventually be met by an increase in subscription rates all along the line. No man who expects to succeed in his business can now think of getting along without his trade paper. To it he looks for that technical instruction and guidance, that broad-gauge knowledge which is indispensable under the business conditions which prevail today. Its advertising pages are fully as useful to him in this respect as its reading columns. In its every department the trade journal is the foremost medium in the dissemination of practical knowledge and every attempt to hamper and embarrass it should be promptly combatted by the thousands who are its beneficiaries, whose willing servant it is, and who should now in its hour of persecution rally to its support by appealing to their representatives and senators to oppose this uncalled-for discrimination against one of our most efficient agencies for the spread of useful knowledge.

Seasonable Notes on Culture of Florists' Stock

CARNATIONS

Now that we are emerging from the dark and short days, feeding material can be applied in stronger doses and with more frequency. When using a mulch it is better to apply it thinly and often than to take any risks in heavy application. A mulch of pulverized cow manure is a very assimilable element to reach the feeding roots. It is better to give a top dressing of bone meal and stir the surface before applying the mulch. When the weather is clear an application of liquid manure will now be of great benefit as it is immediate in its action. Examine your beds carefully and see that the soil is kept evenly moist. Disbudding, keeping the plants within their wire space and fumigation require constant attention. Give ventilation when possible, if only for a short time every day. Pot or flat up young stock as soon as the roots are about three-quarters of an inch long and keep in the same temperature as they were rooted in for about ten days, when they can be removed to a cool light house with an abundance of air. Give careful watering and light and frequent syringing.

CARE OF ARDISIAS

These plants that were left over from Christmas should be looked over and if any require repotting, do it now. Shift into a size larger pot, using a compost of perfectly fresh loam three parts, well decomposed cow manure one part, adding just a little sand to make the soil rather porous. Good drainage is of utmost importance. Grow in a temperature anywhere from 50 to 55 degrees with plenty of air during any mild weather. Keep the plants from now on where they can be syringed at least once on all bright days, but discontinue when they are in flower and until the fruit has set. The foliage at all times should be kept clean from scale which is so prevalent on these plants. Give frequent syringings with some scale remedy.

Plants that lose their bottom foliage or any that have a naked or leggy appearance can be propagated by top working. Make an incision in the stem, place a little moss in the cut to keep it open, then cover with moss and keep moist. In about four or five weeks there will be sufficient roots in the moss to allow them to be cut off and potted.

Seed can be sown now in pans in a temperature of about 60 degrees. Shade from the sun and keep the soil moderately moist. Pot off when large enough to handle into 2-inch pots and then keep them moving right along.

FICUS ELASTICA

Where you want to work a stock of rubbers fill some 2½-inch pots with sand and chopped sphagnum, take the cuttings from your old plants, placing one in each pot. Tie up the leaves and then plunge the pots up to the brim in sand or other material with a bottom heat of from 75 to 80 degrees. No sun should be allowed to strike them while rooting. The "mossing" system is to be preferred after the middle of March and can be continued up to and through May with success. The operation is briefly as follows: Make an incision about four or five leaves from the top, cutting with upward slant half way through; place something in the cut to keep it open, then bind a lump of moss about two inches in diameter around the incision. With a temperature of 60 to 65 degrees, in four to six weeks they should be well enough rooted to sever from the parent plant. Pot in soil three parts and sand one part. Keep rather humid and shaded from the sun until they take hold,

when they should be given a bench in a light house and kept at 60 degrees. Spray overhead once a day and see that they don't become dry at the roots. Shift into larger pots before they become matted with roots.

GLADIOLUS

From now until the end of the month will be right to plant a batch of some large-bulbed gladioli so as to be in for Memorial Day. As a rule they sell well at that date. Augusta, May, America and Blanche make a good variety. Where there is a good trade for these flowers plant once a week for the next fifteen weeks. They can be grown in flats and are not exacting as to soil; any good soil enriched with some well-rotted manure will grow them. Give them plenty of light with ventilation on all good days. Use water sparingly until they start to grow, when they will take water at frequent intervals. For a succession use Colvillei, The Bride, Blushing Bride, and some of the Nanus section. The best temperature is about 50 degrees at night, as they don't like any hard forcing.

HYBRID PERPETUAL ROSES

Roses that were started in a cool house in January and are now making a good start will easily bear a temperature of 55 to 58 degrees and a little higher later on, should you entertain any doubts as to their being in time for Easter. These roses can stand a deal of heat as they fill their pots with active roots and begin to make headway in new growth and will willingly respond to a considerable amount of forcing. As the pots get filled with roots they will stand some feed in the way of liquid manure. Give them a place where they will be fully exposed to the sun and give a daily syringe to make the wood firm and the foliage leathery. Use care in ventilation to prevent too humid atmosphere which is conducive to mildew. Attacks from green fly are likely to happen so give careful attention to fumigating.

LILY OF THE VALLEY IN POTS AND PANS FOR EASTER

Lily of the valley that is needed for Easter should be put in pans or pots within the next three weeks. They can be potted in either sand, moss or loam. It takes from four to five weeks to bring them into flower. Find some place which you can inclose so as to keep it up to 65 to 70 degrees. Anywhere over the hot water pipes will do. From 15 to 20 pips can be put into a 6-inch pan. Plunge these in sand or other material, cover with heavy paper and keep dark until the stems are well up. Then they should be gradually exposed to the light. When they are in flower give full light, but keep away from direct sun. When grown in pans or pots the foliage should be good. Some growers start them in full light and hold the temperature from 55 to 58 degrees. While these will be somewhat dwarfer than case-grown stock they have better foliage and more substance. By this method five to seven weeks are required to have them in flower. Be very careful when the bells show white that they do not get wet.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Aspidistras; Ferns; Jerusalem Cherties; Palms, Phalaenopsis; Young Lorraine Begonias.

We have in type a number of very interesting papers delivered before various societies and clubs by E. G. Hill, Irwin Bertermann, H. B. Dorner, W. H. Taplin and others, all of which will appear in these columns from time to time and will be found well-filled with valuable experience and suggestion.

CLUBS AND SOCIETIES

HORTICULTURAL SOCIETY OF
NEW YORK.

A meeting of the society was held in the American Museum of Natural History on Wednesday, February 8. There was a good attendance and those present listened to a lecture by George V. Nash on "Some Common Orchids and Roses," illustrated with colored lantern slides. The especial feature of this meeting was the inauguration of the monthly exhibitions, to be held in the future in conjunction with the meetings. A decided success was scored, and it is expected this will lead to still more successful exhibitions during the coming months.

The schedule was planned to give non-commercial growers, gardeners and others interested in the growing of plants and flowers for pleasure, an opportunity to exhibit where they would meet in competition only those of their own class. That this was appreciated by the gardeners was attested by their attendance. It was not without its effect upon the commercial element also, for some of them, realizing that here was the place to come into contact with the gardener and amateur, made exhibits, although no premiums were provided for them in the schedule.

The society is desirous of impressing upon gardeners and other plant-lovers, that here is an opportunity, in these monthly meetings, that has never before been theirs in this vicinity—an opportunity each month to exhibit plants and flowers. While the schedules will be so planned each month that some particular flower or flowers shall be the principal feature, exhibits not provided for in the schedule are welcome, and if worthy may be recognized by the exhibition committee. The air of informality and comradeship which pervaded the exhibition just passed was most encouraging and gratifying.

The next exhibition and meeting of the society will occur on Wednesday, March 8, at the same place. All are welcome. Announcement of the schedule for this exhibition will be made shortly.

The following is a list of the prize winners on February 8:

Dendrobium C. C. Moore, Hackensack. N. J., gardener John P. Mossman. *Cypripedium* Miss M. T. Cockerott, gardener Adam Paterson. Hybrid orchid—C. C. Moore. Collection of cut orchids—C. C. Moore. Vase of new rose, not yet in commerce The F. R. Pierson Co., silver medal. Three vases of roses, 3 kinds, 12 flowers of each—R. Delafield, gard. Wm. Brook. Pink Killbuckey Mrs. F. A. Constable, gard. James Stuart. White Killbuckey—Miss C. A. Bliss, gard. J. T. Burns, first; Mrs. F. A. Constable, second. Richmond Mrs. F. A. Constable. American Beauty Chas Stuart Smith, Jr., gard. Arthur Pederson. Collection of orchids. Lager & Hurrell, silver medal. *Mushrooms*—Miss C. A. Bliss. Carnations Miss C. A. Bliss. Lily of the valley—Miss C. A. Bliss. *Aspidistra longifolia* Mrs. F. A. Constable. Collection of cut orchids. Julius Roehrs Co., bronze medal.

NASSAU COUNTY HORTICULTURAL
SOCIETY.

The monthly meeting of the Nassau County Horticultural Society was held in Pembroke Hall on Tuesday afternoon Feb. 7th. President Trepress was

in the chair and there was a good number present. A very hearty vote of thanks was accorded the dinner committee for the admirable way in which they performed their duties. A letter was read from the New York Florists' Club asking the support of this society in their endeavor to procure an appropriation of \$50,000 from the legislation to erect greenhouses at Cornell for the advancement of horticulture. M. C. Ebel was elected an honorary member. Awards for the monthly exhibits were as follows:

Certificate of Culture—H. Matz, *Cyclamen*, Roman Hyacinths; T. Ingram, *Rose Pink Enchantress*. Honorable Mention—T. Ingram, also vase of mixed Carnations.

For the Society's prize—1st, Mr. V. Cleres for 12 Pink and 12 White Carnations. Book on Carnations by C. W. Ward, for 25 Carnations Alma Ward, Mr. Wm. Eccles. Certificate of Merit—Cottage Garden Nursery Co., for Carnation Seedling Howard Gould, color light red.

A euchre and dance will be held in Pembroke Hall on Feb. 27th. The society's prize for the March meeting will be for cinerarias, cyclamen and stocks, one pot of each. The "Buds" Company, of New York, will present a silver cup for the best collection of spring flowering bulbs, which will also be competed for at this meeting. The collection to consist of 6 varieties, 12 of each, lily of the valley to be excluded.

ERNEST WESTLAKE, Cor. Sec.

GARDENERS' AND FLORISTS' CLUB
OF BALTIMORE.

The Gardeners' and Florists' Club held the regular semi-monthly meeting and the feature of the evening was an illustrated lecture, "The Gardens of Italy," by John K. M. L. Farquhar, of Boston. It being ladies' night a large and appreciative audience was present. A hearty vote of thanks was accorded the speaker at the close to which Mr. Farquhar responded in an appropriate manner, and in closing invited the club to visit the National Flower Show to be held in Boston, end of March, promising to be the finest show of the kind ever held in this country. A letter was read from the Florists' Club of Philadelphia, extending a cordial invitation to the members to visit the new establishment of Henry A. Dreer, Inc., at Riverton, N. J., on Wednesday, March 8th.

ORNAMENTAL GROWERS' ASSO-
CIATION.

At the annual meeting of this Association, held January 12th, 1911, the following resolution was adopted:

Resolved, That the Ornamental Growers' Association protests against the practice of so-called trade or other periodicals accepting and printing advertisements of nursery stock with wholesale prices attached, and that the Secretary of this Association is hereby instructed to forward a copy of this resolution to the following periodicals: Florists' Exchange, Florists Review, American Florist, HORTICULTURE, National Nurseryman, American Fruits, Western Fruit Grower, and any others that carry nursery advertisements.

C. J. MALOY, Sec'y.
Rochester, N. Y.

NEW JERSEY FLORICULTURAL
SOCIETY.

The regular meeting and annual smoker of the N. J. F. S. was held Friday evening, Feb. 10th, at Orange, N. J., and was very largely attended by members and visitors. A pleasing feature of the affair was the presentation of the silver cups awarded at the end of the year to those winning the highest number of points at the monthly competitions. The presentation speeches were made by George Smith who strongly complimented the winners on the fine display made by them. The cup winners were as follows:

Lager & Hurrell, for orchids; A. B. Jenkins, gard. Albert F. Larson, first, and Thos. A. Edison, gard. Frank Drews, second, for roses; S. M. & A. Colgate, gard. William Reid, first, and Chas. Hathaway, gard. Max Schneider, second, for carnations; William Reid, first, and A. F. Larson, second, for seedling carnations; William Reid, for foliage plants, for flowering plants and for chrysanthemums; Walter M. Gray, first, and William Reid, second, for dahlias; A. F. Larson, for single dahlias.

The program included selections by Randall's orchestra, solos by Chas. Vanderhoof, stories and comic songs by Joseph Burke, songs by Joseph Marsden, and addresses by Rev. L. H. Lightipe, J. Austin Shaw who gave one of his original poems and spoke for the Press; Wm. J. Stewart of Boston spoke on the forthcoming National Flower Show to be held in Boston in March. He said it would be the greatest show of its kind ever held in this country. He also complimented us on our exhibits and especially our carnations. He said the Enchantress carnation originated in the vicinity of Boston but he had never seen such Enchantress exhibited anywhere as those shown by Mr. Reid. Robt. Shultz and W. Tricker, representing the Morris County Gardeners' and Florists' Society, spoke in regard to their fall show and hoped that our Society would participate. The prizes will be equal if not better than last year. F. L. Atkins, of Rutherford, told stories.

Competition for this year commenced at this meeting, the decision being as follows:

American Beauty roses—Albert F. Larson, 85 points; Frank Drews, 75; mixed roses—William Reid, 90; A. F. Larson, 80; Frank Drews, 80; carnations—Wm. Reid, 95; A. F. Larson, 90; Frank Drews, 80; orchids—Thomas Jones, 95; Joseph A. Manda, 90; Lager & Hurrell, 85; William Reid, 95; A. F. Larson, 85; Camellias—Fritz Bergland, 90; freesias—Max Schneider, 90.

Following are the awards for the exhibits not in competition for points:

Narcissus—Max Schneider, cultural certificate; hyacinths—Max Schneider, cert. of merit; *Epidendrum Kewensis*—J. A. Manda, first class cert.; *Laelia cinnabarina* and *flava*—Thos. Jones, cert. of merit; *Phalaenopsis Schilleriana*—Julius Roehrs Co., first class cert.

Peter Duff, gardener for Mrs. J. C. Brown, who has a national reputation as a chrysanthemum grower, will read a paper before the Society at the March meeting, on chrysanthemums.

WILLIAM REID, Sec'y.

JOINT MEETING OF ILLINOIS SO-
CITIES.

The joint meeting of the four most important Illinois horticultural societies at Urbana which attracted statewide attention throughout the week closed on February 10. The Illinois

State Horticultural Society elected the following officers: President, F. D. Voris, Neoga; vice-president, Col. J. Mack Tanner, Springfield; secretary, W. B. Loyd, Kinnmundy; treasurer; J. W. Stanton, Richview. The retiring president and vice-president were R. O. Graham, Bloomington, and F. D. Voris, Neoga, respectively, and the secretary and treasurer were reelected.

The Illinois State Florists' Association reelected its old officers; president, C. L. Washburn, Chicago; vice-president, Charles Loveridge, Peoria; secretary, F. L. Washburn, Bloomington, and treasurer, J. F. Ammann, Edwardsville. The other two societies, the Cook County Truck Growers' Association and the Lake Forest Horticultural Society, did not elect officers, as it was not an annual meeting for them.

The meeting was a distinct success in every way. The speakers were made up of practical horticulturists, including members of the University of Illinois Horticultural Department and professionals from other states. The attendance was large at every session and on every hand there was expression of extreme satisfaction over the good derived. The beautiful silver cup, donated by the B. G. Pratt Company, insecticide manufacturers, to be given for one year to the exhibitor of the best three boxes of apples, was won by J. C. B. Heaton & Son, New Burnside. The cup is worth about \$150, and will become the personal property of the man who wins it the second time.

At the session of the Illinois State Florists' Association J. C. Vaughan, Chicago, addressed them on "Live Issues of the Florists." E. G. Hill, Richmond, Indiana, followed on "Some New Things." The closing speech was by H. B. Dörner of the University of Illinois on "Work at the Experimental Greenhouses." He explained the work in progress at the Experimental greenhouses and drew conclusions where possible, thus giving the florists much valuable information.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The meeting of this club on Tuesday evening, February 14, was a "rouser" in numbers, fervency and in the ability of the address by Edwin Jenkins of Lenox, Mass., on Science in Horticulture. The lecturer recommended that a young gardener, before taking up the courses at the Agricultural Colleges, should have two or three years' practical experience. This subject of scientific versus practical education is always a fertile one in provoking argument and this occasion was no exception to the rule. The gladiators of the organization were ready and primed for the fray and it was well along toward the midnight hour when adjournment came. Peter Fisher, Ed. MacMullin, F. E. Palmer, M. A. Patten, Thos. J. Grey, George Stewart and many others participated and the Massachusetts Agricultural and other colleges were handled without gloves.

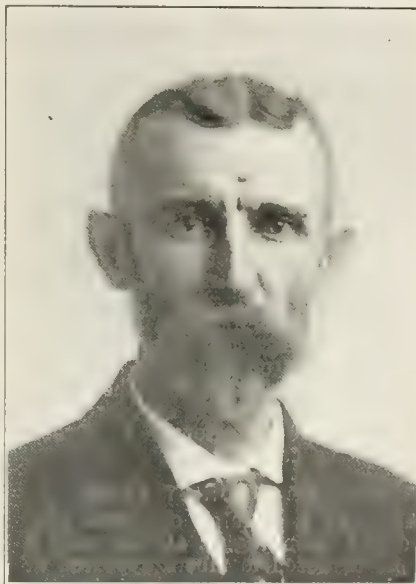
Peter Fisher and John Barr showed handsome seedling carnations. From A. Leuthy and the W. W. Edgar Co. came several new and promising azaleas. Especially fine was Lady Roosevelt, introduced by Aug. Haerens, an entirely new tint of pink with large double flowers.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The meeting on the evening of Tuesday, Feb. 7, was well attended, 80 members present. Officers were elected as follows: President, John W. Jones; vice-president, P. S. Randolph; secretary, H. P. Joslin; assistant secretary, C. S. Crall; treasurer, H. L. Blind; executive committee, E. C. Reineman, Jno. Bader, Neil McCallum.

The entertainment committee reported that they had secured R. Vincent, Jr., of White Marsh, Md., for the evening of Feb. 28, who will speak on his travels through Holland and the bulb fields, illustrated by beautiful colored slides. After the lecture refreshments will be served and a musical programme rendered.

The auditing committee reported the books of the club correct. A resolution was carried that members whose unpaid dues amount to \$4 and over, not including 1911, should receive final notice from the secretary that if their arrears are not paid by March 7, 1911,



JOHN W. JONES

President-elect Pittsburgh Florists' and Gardeners' Club.

the date of the next meeting, their names will be brought before the club for expulsion.

On retiring from the chair President Burki thanked the club for the cordial support given him. During Mr. Burki's three years of office the club has grown in its membership and resources, has taken a prominent part in the sesqui-centennial celebration of Pittsburgh, entertained the Carnation Convention and changed its meeting place to the Fort Pitt Hotel.

It was Carnation night, with a choice display of blooms as follows: Baur & Smith, Indianapolis, Ind., Pocahontas, a very high-grade crimson; Nic. Zweifel, North Milwaukee, Wis., Bright Spot, a fine dark pink; A. T. Lorch, Allison Park, De Haven, Pa., a remarkable fine lot of several varieties. Baur & Smith received a certificate of merit for Pocahontas and Nic Zweifel, special mention for Bright Spot. Very charming orchids were shown by Dr. Sheaffer of Pittsburgh and Primula Forbesii rubra by Carl Bechner of Dumont, Pa.

Subject for next meeting, Roses.

H. P. JOSLIN, Sec'y.

NEW YORK FLORISTS' CLUB.

A highly intelligent audience of nearly one hundred members of this club gathered at the February meeting last Monday evening to greet Richard Vincent, of White Marsh, Md., and listen to his entertaining talk on the bulb fields of Holland and other horticultural observations on his recent European visit.

Routine business was put through before the lecture. Officers' and committees' reports were duly disposed of. Among the latter was a verbal report by H. A. Bunyard on behalf of the transportation committee, which was followed by a vote selecting the Fall River line as the official route to and from the National Flower Show at Boston. A round trip rate of one and three-fifths fare has been granted on the certificate plan. This is available on any and all routes between the two cities, but those who wish to join the club party should make arrangements to take the boat leaving New York at 5 p. m., Friday, March 24. An invitation to join with the Florists' Club of Philadelphia on March 8, in a trip to Riverton, N. J., as guest of H. A. Dreer, Inc., was accepted with thanks.

Mr. Vincent's lecture was illustrated profusely with a series of handsome lantern slides, many of which were colored. They showed all phases of bulb propagation, growing, flowering and shipping. Views in the Ghent Exposition, in Belgium horticultural establishments, in Kew Gardens, in Edinboro, and other centers of interest were included. In closing Mr. Vincent gave an enthusiastic outline of the preparations being made towards the S. A. F. Convention in Baltimore next August and for the entertainment of the large number of visitors expected there from all parts of the country. A hearty rising vote of thanks was extended for his interesting address.

A vase of blooms of new and promising red carnations was exhibited by Wm. Kleinheinz, of Ogontz, Pa. The judges awarded 87 points which entitles it to the Club certificate. Mr. Kleinheinz being called upon made a brief speech.

SPRINGFIELD FLORISTS' CLUB.

The regular monthly meeting of the Springfield, O., Florists' Club, held February 13, was one of the most enjoyable and most profitable ever held by that band of enterprising florists. A three-course supper was served at 7 o'clock by the new entertainment committee, and for a first effort, the consensus of opinion was that they "made good."

The paper of the evening immediately followed the supper and was read by Wm. H. Reeser, on "Greenhouse Appliances." Mr. Reeser is considered an authority on greenhouse conveniences and short cut methods and his papers took a wide scope, describing and recommending up-to-date means of easier and more economical accomplishment of work, both in greenhouse and office. His plans for the easier handling of soil, elevating and disposing of ashes from boiler cellar, transportation of heavy flats and economy in use of fuel were received with interest and brought out an interesting and profitable discussion.

The club made another move in the direction of their idea of civic beauty. The latest plan, and one that seems as-

sured of success, is a rose garden, of from three to five acres, to be located in Snyder Park and to be cared for and maintained by the florists, who will ask only that the land be prepared and equipped with trellis work and whatever else is found necessary. This equipment would entail but slight expense while the result would be a bower of beauty such as is seen in the botanical gardens of cities in the old world. The project was thoroughly discussed and a committee composed of John M. Good, Christian Binnig, Arthur Leedle, Pearl Bethard and Wm. H. Reeser was instructed to bring the proposition to the attention of the park board as early as possible and report results.

It is the idea of the florists to construct a rose garden in which every variety of this beautiful flower grown by Springfield florists may find a place. They believe that the proposed garden would add materially to the beauty of the park and it would, in addition be an excellent illustration of how to care for roses, and of the results it is possible for any householder to obtain; the establishment of a rose garden of this extent in the park would inspire many residents to beautify their properties with this most fragrant and beautiful flower.

The committee to whom was referred the matter of furnishing plants and seeds for a large garden to be established in the park and divided among the schools of the city reported that the park board favored the proposition and pledged the necessary ground for carrying out the plan. The school authorities are also in favor of it and the matter will no doubt soon take definite shape.

C. W. Unglaub exhibited three beautiful plants of *Primula obconica*. The florets on all the plants were larger than a silver dollar and the plants reflected great credit on Mr. Unglaub as a successful grower.

All the Springfield mail order florists report extraordinarily good business for February and the outlook is for a record-breaking spring trade.

ST. LOUIS FLORIST CLUB.

The florist club held a very interesting carnation meeting last Thursday afternoon. The attendance was very large, numbering nearly forty including visitors. There were a lot of new carnation blooms on exhibition. The Chicago Carnation Co. sent Washington, Nic Zweifel staged Brightspot, Henry Eichholz sent Princess Charming and Christmas Cheer, P. M. De Witt, Bridgewater, Pa., sent Pennsylvania—the pink Boston Market. The Oakland Floral Co. showed a fine lot of well-grown carnations and extra fine sweet peas. The judges, Messrs. Schinder, Grossart and Held, made the following report: Brightspot, 90 points; Washington, 84; Pennsylvania and Princess Charming, 80 points; they also recommended a certificate of merit for Brightspot.

The trustees reported on their plan of entertainment. The matter of the celebration of the club's twentieth anniversary was left over for the March meeting.

There were members present of the Retail Florists' Association asking support on their war on "crepe pullers," which was freely given. They are now preparing a bill to be intro-

duced in the city council to prohibit this practice and the club will lend a helping hand.

The next meeting will take place Thursday afternoon, March 9th, at 2 o'clock.

TUXEDO HORTICULTURAL SOCIETY.

This prosperous society held a meeting on Feb. 8th. The newly elected president took the opportunity to thank the members for the honor in electing him and assured them that he would do everything in his power for the welfare of the society.

The alteration in the By-Laws admitting assistant gardeners free of initiation was passed. Twelve new candidates were elected to membership.

James Scott of Elmsford, N. Y., will deliver an address on Wednesday, March 1st. An exhibition of seasonable flowers will be made at the same meeting.

An enjoyable evening was spent after the meeting in bowling in which George Thomson made the highest score.

ALBERT FISCHER, Sec'y.

FLORISTS' CLUB OF WASHINGTON.

The regular monthly meeting of the Club was held at Gude's Hall on the night of Feb. 7. There was an unusually large attendance. Nominations of officers were made as follows: President, E. C. Mayberry; vice-president David G. Grillbortzer; secretary, O. A. C. Oehmler; treasurer, Wm. F. Gude; directors, Geo. H. Cooke, W. A. Ballinger, C. A. Shaffer, J. Milton Thomas and J. J. Bickings.

Sec. Oehmler moved that the Florists' Clubs of Baltimore and Philadelphia be invited to join the Washington florists in a trip on March 8th to the place of Henry A. Dreer. Motion was carried.

DETROIT FLORIST CLUB.

Although a genuine old time blizzard had been raging all day still a couple of dozen members appeared at the last meeting encouraged by the prospect of listening to a paper on "Retail Store Management," by Mr. Bertermann of Indianapolis. Unfortunately the writer of the paper could not come himself and Mr. Sullivan, our local literary star, read the paper in a very apt manner.

The next meeting of this club, February 20, promises to be not less entertaining as Mr. Skidelsky who has favored this club in previous years will again favor us with one of his very valuable essays.

AMERICAN ROSE SOCIETY.

The time is drawing near when the big Flower Show in Boston will become a fact. The Toronto Horticultural Society has sent word that they offer the American Rose Society, their silver and bronze medals as first and second prizes for best specimen of hardy climbing rose, exhibited at this exhibition. In judging, fragrance to count 33 points.

Eber Holmes of Montrose, Mass., is manager in charge of the Rose section, and any inquiry for information regarding the same addressed to him or to the secretary at Fishkill-on-Hudson, N. Y., will meet with prompt attention.

BENJAMIN HAMMOND, Sec'y.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the Rose, "Yellow Baby Rambler," by Jackson & Perkins Company, Newark, Wayne County, New York, becomes complete.

Registration of Zonal Pelargoniums.

Public notice is hereby given that Robert Dukelou, of Rochester, N. Y., offers for registration the Geraniums described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the Secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Raiser's Descriptions.

Dr. E. M. Moore—Cross between a large, soft pink, single flowered variety, name unknown, and a small dark red, single flowered variety, name unknown. Habit strong and vigorous. Leaves dark green, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches long, and 4 to 5 inches wide, with prominent dark bronze zone. Flower clusters on stout spikes 10-12 inches long, prominently surmounting the leaves, with 75 to 100 flowers in cluster. Individual flowers single, $1\frac{1}{4}$ to $2\frac{1}{4}$ inches across. Color, bright vermilion with white eye.

A. B. Lamberton—Parentage same as above. Habit medium strong. Leaves light green with faintly marked inconspicuous zone, 3 to $3\frac{1}{2}$ inches long, and $3\frac{1}{2}$ to 4 inches wide. Flower clusters on very stout spikes 10 to 12 inches long, and prominently surmounting the leaves with 35 to 40 flowers in a cluster. Individual flowers single, $1\frac{1}{4}$ to 2 inches across. Color, bright orange pink with conspicuous white eye.

H. B. DORNER, Sec'y.

February 9, 1911.

CLUB AND SOCIETY NOTES.

The Albany, N. Y., Florists' Club will have a banquet on the evening of Thursday, March 2.

The Dayton, O., Florists' Club will have its annual banquet at the Philips Hotel March 1. Horace Frank will be toastmaster.

The New Haven (Conn.) Horticultural Society will hold a grand dahlia show some time next September. John H. Slocombe is chairman of the committee on preparations.

The King Construction Company have given a silver cup to be competed for at the National Flower Show in Boston, for the best 30 blooms of any rose introduced since 1900.

Miss Laura B. Dawson of Jamaica Plain, Mass., delivered a lecture on Horticulture for Women before the Worcester County Horticultural Society on February 9. A large audience listened and some interesting discussion followed.

The Rochester, N. Y., Florists' Association have rented new quarters over 95 Main street, East. We hope to soon hear that this thriving organization has secured a site for a perma-

nent building of their own, with exhibition hall, etc.

The Engelman Botanical Club, St. Louis, has elected Dr. R. R. Gates, president; G. H. Pring, secretary and treasurer. The Club met Feb. 3, at Shaw's Garden and J. H. Harris presented a paper on "Natural Selection." The meeting was well attended.

The Schedule of Premiums for the carnation section of the National Flower Show, Boston, in March, has been issued in separate form by the American Carnation Society. Carnations are to be staged March 28. The list of prizes offers the largest amount of money ever given for carnation exhibits anywhere and will, no doubt, bring out an unprecedented display.

The next in the winter course of lectures will be given in Horticultural Hall, Boston, on Saturday, February 18, at 2 o'clock. The lecturer will be Mr. John K. M. L. Farquhar of Boston and the subject "Where Seeds Come From," illustrated by the stereopticon. The lecture previously announced for this date by J. H. Hale of Connecticut has been necessarily postponed to a later date.

A good attendance was had at the regular meeting of the Buffalo Florists' Club on Tuesday evening last and the following were nominated as officers: President, Geo. McClure, Jr.; vice-president, Chas. Guenther and Jos. Sangster; secretary, Wm. Legg; financial secretary, Jerome Deutscher. On March 7th the regular meeting will be held and election of officers will be in order, a carnation exhibit and banquet to follow.

IOWA'S PROPOSED NURSERY LAW.

The man who canvassed the Sioux City territory last spring and sold "sticks" which were represented to be embryonic fruit trees, will have harder sledding if a bill introduced into the legislature by Senator Chapman becomes a law.

The proposed statute takes a fine little rap at alleged nurserymen who are not "on the square," and requires nurserymen to sell fruit trees in accordance with the name and variety. It makes it imperative that the salesman shall specify in the bill of sale whether the tree is a graft, seedling or is budded.

The author of the bill declares the liberal nursery laws of Iowa have made the state a dumping ground for every kind of tree bearing any kind of name.

—*Sioux City Journal*

A MUNICIPAL NURSERY.

A municipal nursery for the rearing of young trees is a recommendation in the annual report of the East Orange (N. J.) Shade Tree Commission. The difficulty of getting the right kind of trees for planting and the long period required between getting them from the nurseries and setting them out are given as the reasons for establishing such an institution. The White Oak Ridge Farm lands surrounding the pumping station are suggested as a good place to locate the nursery.

Obituary.

Timothy McCarthy.

It was with the deepest sorrow that we learned of the death on Friday, February 10, of this gifted gardener, for many years superintendent of Swan Point Cemetery, Providence, R. I. Mr. McCarthy had been seriously ill for several weeks but we believed his recovery was assured and the news of his death came as a great shock. Beautiful Swan Point Cemetery stands as a permanent monument to the great ability of Mr. McCarthy. To his many qualities, his cheery companionship and great heart everyone who ever knew him can testify. To his widow, who is a daughter of the late William Doogue of Boston, and his children our sympathy and condolence is extended.

Mr. McCarthy was born in Ireland, coming to this country with his parents when a child. As a boy and young man he worked at the Pratt estate in Watertown near Boston, the Hovey establishment, Anthony McLaren's, W. C. Harding's,



TIMOTHY MCCARTHY

Wm. Doogue's, Forest Hills Cemetery and 35 years ago became superintendent of Swan Point Cemetery, Providence, R. I.

The funeral was attended by a vast gathering of friends, among whom were M. H. Norton, P. Welch, D. H. Sullivan and L. J. Doogue of Boston, and twenty-three members of the Association of American Cemetery Superintendents, of which Mr. McCarthy was an ex-president.

We gladly give space to the following eloquent and loving tribute by J. A. Pettigrew, of Boston Parks, to the memory of his friend:

"Everyone who knew Timothy McCarthy of Providence will regret the passing away, in the prime of life, of a noble man. The writer first met him thirteen years ago and was impressed at once with his remarkable personality, and the striking individuality which shone in a charming manner from each facet of his character. The tone of his enthusiasm struck with a true sound and inspired everyone with whom he came in contact.

Nature was one of the gods at whose

shrine he worshipped, and he applied her teachings in the work of his life. With true artistic taste, into the soft, turfy glades of God's acre in his own city, rich with wild herbaceous plants and grasses, he introduced spring blooming bulbs and plants from other climes, yet selected with such care for appropriateness that they blended perfectly with their setting, or mingled without a jarring note.

The rock-work boundary wall of rough boulders, built by him, was another example of his knowledge of Nature's ways. By many, myself among the number, it was deemed at that time, from a landscape point of view, of doubtful value. I had the pleasure of seeing it again, after a few years; it was indeed a surprise: the great rock pile, seen here and there through a wealth of vines and shrubbery, was softened into a charming feature. Timothy McCarthy, in the interval between my visits, had called upon his genie and the call had been responded to. Every nook of the halcyon ground, which was his pride, shows the result of his handiwork and the closeness of his association with Nature.

Mr. McCarthy, although a very practical man, was the essence of modesty: he assumed little credit for the work he did. This characteristic, combined with his great sense of humor, his friendly interest, his bright smile, his hearty laugh and merry face, made him a most charming companion. There are too few of his kind and he will be long remembered by all who knew him."

Benjamin Hoyt.

Benjamin Hoyt, nurseryman, died at his home in Monticello, Iowa, Feb. 7th, age about forty years. Mr. Hoyt was interested with his brothers in the Hoyt Nursery.

NATIONAL FARM SCHOOL, DOYLESTOWN, PA.

The annual report of the horticultural department of this useful institution has been issued by Prof. W. F. Fancourt. Botany, forestry, the principles of greenhouse construction and management, vegetable gardening, packing for market, etc., are all taught in an efficient and practicable manner. The cash sales from the product of greenhouses and grounds last year amounted to \$723.66. The grounds about the institution have been improved from year to year by planting of rhododendrons, privet hedges, etc., and present a most attractive appearance.

PRIZES FOR JEROME JONES.

Mr. Jerome Jones of Boston has contributed cash, first and second prizes of \$15 and \$10, respectively, to be awarded at the St. Louis exhibition of the Chrysanthemum Society of America next November, for vase of blooms of Mrs. Jerome Jones. Named for a most estimable lady whose father, H. A. Gane, was one of the first and best of the American seedling raisers, this variety has other claims upon the chrysanthemum raisers for its perpetuation, besides its sterling qualities as an exhibition flower. In some respects, particularly that of foliage, its equal has not yet appeared. No doubt there will be some grand entries for this prize at St. Louis.

CHICAGO NOTES.**The Wholesale Market.**

The subject of moving the wholesale market from its present center, Randolph and Wabash avenue, has resulted in nothing but talk so far. It received a sudden impetus Tuesday just after the morning rush when a large piece of marble and plaster fell in the entrance to the Atlas Block causing much excitement. No one was hurt. The J. A. Budlong Co. have decided to give up their store in the Atlas Block and the Batavia Greenhouse Co. has rented it. No suitable location has yet been found for the Budlong business.

Scarcity of Roses.

A trip about the city this week showed the large greenhouse establishments to be almost without roses. Though a scarcity of roses at this time is not unusual, the growers all say it is more general and of longer duration than they have known before. Carnations are also scarce, but not to such an extent as roses. At J. A. Budlong's the plants were in excellent condition and this place led in the quantity of carnations being cut. Lilies everywhere are in good condition, though the usual percentage of diseased plants have been thrown out, especially multiflorums.

The State Association.

The meeting of the Illinois State Florists' Association last week at Champaign-Urbana was attended by rather a small delegation from here. The party left over the Illinois Central, February 8, and returned February 10th. They report a fine exhibit of new roses and carnations. The Chicago Carnation Co. as usual led in number of excellent varieties shown.

Valentine Windows.

J. Mangel had two tables filled with tasty floral Valentine offerings in his windows and they included several novel effects. Among them was a cupid nestling among the petals of a very large red rose.

Fleischman had a very attractive window in violets and violet boxes tied with gold ribbon for Valentine's Day.

Auto Trucks.

Much interest was shown by Chicago florists in the auto truck exhibit at the Coliseum last week and no doubt many sales will be made to the trade. Many are already supplied with one or more and others are thinking of getting in line with the newer method of delivery.

Building Notes.

Sol. Garland has ordered a carload of glass and will build a range of violet houses at Desplaines where he now has a greenhouse plant. J. B. Deamud will have an interest in the business and market the stock.

Jos. Brooks of Morton Grove is preparing to add three greenhouses in the spring. They will be 27 x 100 ft., with Garland gutters and Moninger truss. The latter are very strong and simple of construction and full description will be given by the Moninger Co., whose card will be found on another page. Moninger has just erected a range of houses for the State Experiment Station at San Antonio, Texas.

Trade Notes.

O. J. Friedman will remove from his present location at 185 Michigan ave-

nue to the store one door north, on May 1st.

E. H. Hunt's supply house has just filled orders for Wittbold Spraying Nozzles from the West Indies and from the Philippine Islands. They were sent in small lots by parcels post.

The Pansy Flower Store has increased its business and added another room and a very ornamental as well as useful balcony has been constructed. It is partly hidden by a vine covered lattice and makes a good place for supplies. A. A. Sawyer, father of Miss Sawyer, the proprietor, is well-known for his excellent asters and says he is prepared to plant the first seeds February 20th as usual.

Personal.

H. Hunt, of the A. E. Hunt Co., was in Michael Reese Hospital for several days last week with an eye trouble.

The sympathy of the trade is extended to Mrs. F. C. Morris of Hinsdale, Ill., in the recent loss of her brother, John McDonald, and sister-in-law, Mrs. Wm. McDonald.

Visitors: J. L. Johnson, De Kalb, Ill.; Chas. Mueller, Wichita, Kans.; and son, Harry Mueller, of Urbana, Ill.; F. V. Craigh, with Wm. Hagemann & Co., New York; Irwin Bertermann, Indianapolis, Ind.

A DETROIT GENTLEMAN.

E. A. Scribner, whose portrait appears herewith, for many years in the florist business at 604 East Fort street,

**E. A. SCRIBNER**

Detroit, has sold out to his faithful employee Robt. W. Jean. Mr. Scribner's untiring efforts to make the discussions of the Florist Club interesting, his reports when returning from the annual S. A. F. conventions, his modest and engaging personality, have all contributed to make him very popular. His "monument" is Waterworks Park, a piece of marsh when he was put in charge, but a beauty spot today visited by everybody who goes to Detroit. Verily, we all wish that he and his wife may enjoy many years in well-earned rest and comfort and the Florist Club be still given the benefit of his valuable experience.

FRANK DANZER.

DOCTORS OF PLANT DISEASES.

Some agricultural college which makes it a point to keep in touch with commercial development on lines parallel to the growth of scientific agriculture can make a distinct hit by strengthening its course in the line of plant pathology. For several years past there has been an insistent demand for men versed in the knowledge of tree and plant diseases, men who know how to determine the nature, causes, and remedies of more or less mysterious ailments such as that which has wiped out the chestnut forests around New York City, and others which affect the commercial value of the native timber on large areas of the public domain. The field for the plant pathologist is widening tremendously as it is learned that the ravages of disease among the plants on which we depend for our agricultural supremacy can in many cases be prevented or materially modified, and only two colleges seem to be paying any special attention to this feature of scientific agriculture. The Department of Agriculture has repeatedly announced that it is in the market to purchase the services of plant pathologists, and now it makes another appeal for those who are qualified to come forward and submit to the test of a Civil Service examination to demonstrate their fitness for the work.

An examination will be held for assistant plant pathologist (male) on March 15, 1911, to secure eligibles to fill a vacancy in the Bureau of Plant Industry, at an entrance salary of from \$1,600 to \$1,800 per year. The applicant must be 28 years of age, and under 40, and must be skilled in sugar-beet work, as it is intended to assign the person appointed to work in breeding beets. The subjects of the examination are: General education and training, training and experience in plant breeding and plant pathology, and a thesis of not less than 1,000 words on plant breeding or plant pathology on which the applicant has done original investigation. Persons who may wish to take this examination should apply to the Civil Service Commission, Washington, D. C., for further information.

THE FREAK SEASON IS OPEN.

Washington. Surpassing Luther Burbank's wildest flight of horticultural fancy and leaving at the post the whole confraternity of "back to the soil" enthusiasts, Wilfrid Barron, of Washington, has produced a lemon plant which he can boast as literally his own handiwork. He grew it from a seed embedded in a cut in his thumb.

Barron was preparing lemons six weeks ago in a cafe where he practices his profession as a blender of beverages and juggler of sleep-inducing juices when the knife slipped and made an exploratory incision in the ball of the Bar-onial thumb. Doing a little quiet slipping on its own account, a lemon seed coyly concealed itself in the cut.

After the surface of the wound had healed, Barron's thumb burgeoned like a bud in springtime, and three sprouts appeared. Then the animated experiment station called in Dr. C. A. Snow, who "cut back" the luxuriant foliage. This pruning resulted naturally in a sturdier growth, which was cut out, rootlets and all, and transferred to a flower pot. To confound the incredulous and amaze the arboricultural, Barron has the cut thumb and the thriving lemon plant as evidence.

—Phila. Telegraph.

TO GROW CHADWICK SUCCESSFULLY.

Among the late-flowering chrysanthemums, W. H. Chadwick and Yellow Chadwick have more than held their place this season in both the New York and Boston flower markets. There is no better seller and many more could be regularly disposed of if the growers would only produce them. The reason so few are grown is, presumably, the susceptibility of this fine old variety to disease. It will, no doubt, be of much interest, therefore, to chrysanthemum growers to learn that one Boston grower of high repute keeps Chadwick and in fact all the chrysanthemums he grows in perfect health by limiting them to three inches of soil on the bench. He calls attention to the fact that the chrysanthemum is a surface feeder and when given deep soil for the roots to wander in is very liable to disease. He says that if the grower will plant on the bench with not over three inches of soil and feed liberally with stimulants from the surface he can grow Chadwick to perfection. Try it.

ROSE GEORGE ARENDS.

Horticulturists are promised a novelty in roses this year, which if it comes up to the published description should prove a desirable addition to its class. It bears the name of George Arends, and is further called a pinl Druschski, from the close resemblance of the bloom in regard to shape to that of the white Frau Karl Druschki. The stems are long and the flowers form singly and not in cluster as with that variety, which as the raiser suggests is an improvement, and it is very fragrant. It is said to be very suitable for forcing. It is being distributed by a London house. F. M.

POCAHONTAS.



This is one of Baur & Smith's productions, the result of a cross between two home seedlings in the pedigree of which the best of the crimsons and scarlets are represented. The color is a lively deep crimson and the flowers borne on strong, upright stems often measure four inches under ordinary culture. Free blooming, a good keeper

and a good seller is the record of Pocahontas to date.

Mr. Baur recommends this carnation as making a beautiful combination with Enchantress, being much larger than any of its crimson predecessors which were too small to use in association with the larger light pink varieties.

CARNATION BONFIRE.

This is one of E. G. Hill Co.'s prime novelties for 1911. Color intense scarlet, recommended as a good companion for Beacon, coming into bloom before that popular variety. It won first prize at Chicago as best red seedling for 1910 and at Indianapolis in open class for fifty red. It is a strong, healthy and vigorous grower.

CONTINENTAL NOTES.

Freudenstadt.—The creation of an Alpium on a hilly terrain, on which will be planted all the indigenous plants of the entire Schwarzwald (Black Forest); the Swabian Alps, and the Voralpen, in groups according to color, was discussed by the club for beautifying the locality at its last meeting. The proposal met with a favorable reception, and it is hoped that it will be soon undertaken.

Zabern.—The Alsace and Lorraine rose amateurs in the township who number 1100 members intend to have a rose show in 1911. The amateur raisers of roses, Dr. Kruger, Walters and Jacobs, will participate with roses only of their own raising. As this association of growers of roses possesses a very admirable rosery the exhibition should offer wide interest to rose growers. Information regarding the show may be obtained on application to Herr L. Walter, ober post assistant, Zabern Alsace. F. M.



CARNATION BONFIRE

HARDY RHODODENDRONS

When we say **Hardy** we mean **Hardy** in American Gardens where climatic conditions are no more severe than in Massachusetts. **We have them, the finest stock in the world of brilliant hybrid varieties which have stood the test of years in American Gardens for hardiness and vigor.**

Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

During Recess

Prospectus for New York Florists' Club Dinner.

Do you know anything about Saturday night, March 18th? Well! That is the night the Dinner Committee of the New York Florists' Club has selected for our Regular Grand Annual Dinner.

All those who were present at the dinner held in the Roman Banquet Hall, at Shanley's, Broadway, 42nd and 43rd streets, year before last, were loud in their praise of the beautiful surroundings, and the dinner that Shanley served—and Shanley knows how to serve a dinner. For these reasons your committee goes to Shanley again.

In connection with the dinner your committee has engaged entertaining talent, that mirth and gaiety shall lend zest to the appetites for the good things that will be partaken of.

Tickets will be four dollars (\$4.00) for gentlemen, and three dollars (\$3.00) for the ladies, and these prices will only half pay for the good time you will have on this occasion. Your committee is trying its best to make this dinner and entertainment surpass anything of its kind held before, and trusts that each member of the club will make it his duty and pleasure to come, and bring a lady with him, for no social gathering can be complete without the ladies.

Members can engage tables to entertain their guests for this dinner, such tables accommodating six to eight persons, or more if required. Prompt notification is earnestly requested.

C. B. Weathered, Chairman; A. L. Miller, J. Austin Shaw, Robert Koehne, Chas. Schenck, Dinner Committee.

Yonkers Horticultural Society.

A most enjoyable evening was spent at the Park Hill Inn, where this society held its second annual dinner on the 7th inst. About one hundred and thirty members, visitors and friends were present. Arthur Herrington very ably filled the post of toastmaster. Mayor Lennon of Yonkers spoke of the beauty of our city, due in no slight degree to the gardeners' craft. He also presented the charter of incorporation granted to the society.

W. Duckham, who with several other gentlemen represented the Morris County Gardeners' and Florists' So-

ciety spoke, as did also J. F. Johnston of the Nassau County Horticultural Society, Mr. Lee of Dobb's Ferry, J. Austin Shaw, who rose to the toast of "The Press," Mr. Maynard of The Gardeners' Chronicle of America, L. Melliott for the florists, Mr. Sperling for the seedsmen and Mr. Rennison for the nurserymen. W. MacDonald contributed songs, admirably rendered.

H. M. BLANCHE.

A Hot Time at St. Louis.

There was a hot time at Smith's wholesale house on Saturday night, Feb. 11. The firm having just completed improvements which gives them a model wholesale house decided to give a house warming and invited their Kirkwood consignors to come in and enjoy the fun, and they did. They brought their own band headed by C. A. Dietzman. There were refreshments of all kinds. Sixty persons enjoyed the fun, which included speech making, singing, dancing and a general good time.

New York Bowlers.

There was a very companionable meeting and practice bowling at the Albion Alleys on Monday afternoon, February 13, preceding the regular Florists' Club meeting in the evening. John Donaldson was the fortunate winner of the prize bottle of Dry Monopole. Scores were as follows:

Manda	165	156	135	D'Id'son	154	177	191
Handel	220	119	172	Miesem	127	118	133
Rick'rds	179	142	151	McArdle	134	118	121
Siebr'lt	135	145	162	Berry	...	105	198
Shaw	148	118	166	Schultz	...	81	96

Chicago Bowlers.

Scores on February 8 were as follows:

CARNATIONS				VIOLETS			
Artes	171	161	190	Chen	107	133	152
Win'son	192	127	146	Fried'n	159	136	194
Geer'ch	109	121	104	Sweeney	110	126	145
Schultz	173	165	159	Lerman	157	146	157
A. Zeck	165	149	191	Yarnall	162	224	184
ORCHIDS				ROSES			
Huebner	150	114	157	John'n	134	109	197
Zeck	170	170	178	Crige	108	159	151
Graff	154	154	170	Daley	182	119	154
Sweeney	146	171	151	Welsh	107	104	96
Farley	143	190	137	Wolf	155	163	146

Philadelphia Bowlers.

Scores were recorded at the match game February 13, as follows:

REGULARS				ASSOCIATES			
Connor	169	180	156	Elm	185	244	204
Adel	163	142	189	Moore	173	177	166
Dodds	187	168	163	Rowley	133	129	173
Graham	169	166	177	Dumb'm	106	153	176

Concerning foregoing our correspondent writes: "I only publish these

scores when the champions lose; which is seldom."

Buffalo vs. Rochester.

The Rochester Club bowlers will meet in Buffalo the latter part of this month in a match game with Buffalo. The members are in hard training and an exceptionally good game is promised.

CATALOGUES RECEIVED.

MacNiff Horticultural Co., New York.—Condensed Garden Seed Catalogue, Spring, 1911.

Green's Nursery Co., Rochester, N. Y.—Catalogue for 1911, of Plants, Vines and Trees. Quite a unique production. Covers brilliantly adorned with cherries, currants and raspberries.

Chicago Carnation Co., Chicago and Joliet, Ill.—Folder and Price List of Carnations, with portraits in natural colors, of Princess Charming, light pink, and Washington, Lawson Enchantress.

S. M. Isbell & Co., Jackson, Mich.—Isbell's Seed Annual, 1911. This a catalogue of the "Michigan Grown Seeds" so enthusiastically advertised in our columns by this well-known house. It runs especially strong on vegetables, the colored illustrations on cover showing Perfected Davis Perfect cucumber, Colossal tomato, New Saxonia pea and other meritorious novelties.

Fottler, Fiske, Rawson Co., Boston.—General Seed, Plant and Implement Catalogue for 1911. This is the first issue since the merging of the Schlegel & Fottler Co., W. W. Rawson & Co., and H. E. Fiske Co. into one corporation and it is highly creditable in every particular. The cover is exceedingly neat and attractive, embossed gold letters on pale grey panel and monogram in coral red.

"Buds," New York.—General Catalogue of Seeds, Plants, Bulbs, Fertilizers, Insecticides and Implements, Spring, 1911. This is the first annual catalogue of this youngest of the New York seed houses but it bears all the marks of an old-established business, being very complete and particularly well arranged as to reading matter and placing of illustrations. Paper and typography excellent. A special Wholesale List of High Grade Florists' Seeds, Bulbs and Plants has also been issued for trade circulation.

LADY HILLINGDON

A BEAUTIFUL YELLOW ROSE

That will make a name for itself either as an indoor or outdoor rose.

March Delivery
Own Root or Grafted Stock
\$7.50 per dozen
\$60.00 per 100

ROSE QUEEN, the pink you will eventually grow, \$35.00 per 100.

DOUBLE PINK KILLARNEY and MELODY, \$35.00 per 100.

RADIANCE and MRS. AARON WARD, \$15.00 per 100.

CARNATION WHITE HOUSE

The QUALITY White

Easily the largest white in cultivation, and considering its size, it is wonderfully free. Is absolutely a non-burster and has a clean, kind growth, without any faults. The production of this variety is limited to 50,000 cuttings; so, if you want it, give us your order at once.

PRINCESS CHARMING, splendid Enchantress-colored carnation; WASHINGTON, the Lawson-colored sport of Enchantress; CHRISTMAS CHEER and BONFIRE, scarlets; all above varieties, \$12.00 per 100, \$100.00 per 1000.

CHRYSANTHEMUMS

We carry over 500 varieties, and have already some 100,000 young plants in 2½-inch pots ready for immediate distribution.

DID YOU GET OUR CATALOGUE? IF NOT, WRITE FOR IT

CHAS. H. TOTTY, Madison, N. J.

Boddington's Quality Cannas

true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick.

CRIMSON SHADES.

	100	1000
Alphonse Bouvier, 5 ft....	\$1.75	\$15.00
Alice Roosevelt, 4 ft....	3.75	35.00
Black Prince, 3 to 4 ft...	2.50	22.50
Charles Henderson, 4 ft...	1.75	14.00
Crimson Bedder, 3 ft....	2.00	17.50
Duke of Marlborough, 4½ ft.	2.00	17.50
J. D. Eisele, 5 ft....	2.00	17.50
Explorateur Crampel, 5½ ft.	2.00	15.00
Express, 2 to 2½ ft....	3.75	35.00
Louisiana, 7 ft....	1.75	15.00
Pillar of Fire, 6 to 7 ft...	2.75	25.00
Pres. McKinley, 2½ to 3 ft.	1.75	16.00
Tarrytown, 3½ ft....	2.25	20.00

PINK SHADES

L. Patry, 4½ ft....	\$1.75	\$15.00
Louise, 4½ ft....	1.75	15.00
Mlle. Berat, 4½ ft....	1.75	15.00

ORANGE SHADES

Mrs. Kate Gray, 6 ft....	\$1.75	\$15.00
Pennsylvania, 5 ft....	2.00	15.00
Wyoming, 7 ft....	2.00	17.50

RED, GOLD-EDGED

	100	1000
Mme. Crozy, 5½ ft....	\$2.25	\$20.00
Souv. d'Antoine Crozy, 4 ft.	2.75	25.00

YELLOW SHADES

Buttercup, 3½ ft....	\$2.50	\$22.50
Gladiator, 4 ft....	2.75	25.00
Florence Vaughan, 5 ft...	1.50	14.00
Newbury, 4 ft....	2.75	25.00
Queen Charlotte, 3½ ft...	2.75	25.00

WHITE SHADES

Alsace, 3½ ft....	\$1.75	\$15.00
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BRONZE-LEAVED

Black Beauty, 5 ft....	\$5.00	\$45.00
Brandywine, 4 to 5 ft....	2.25	20.00
David Harum, 3½ ft....	2.25	20.00
Egandale, 4 ft....	1.75	15.00
King Humbert, 4 ft....	2.75	25.00
Leonard Vaughan, 4½ ft.	2.75	25.00
Musafolia, 10 ft....	2.75	25.00
Robusta, 6 to 8 ft....	2.00	17.50
Shenandoah, 6 ft....	1.75	15.00

ORCHID-FLOWERING

Allemania, 4 to 5 ft....	\$1.75	\$15.00
Austria, 5 ft....	1.50	14.00
Indiana, 4½ ft....	1.75	15.00
Italia, 4½ ft....	1.75	15.00

Our Cannas are packed 250 (of one variety) in a box; two can be "cleated" together and shipped as one. One box of 250 (one variety) sold at thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. 25 (one variety) at 100 rate

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street, NEW YORK

All the above Cannas sold F. O. B. New York or Chicago.

WINTERSON'S SEED STORE, 45-47-49 Wabash Avenue, Chicago

Chicago and Western Agents for our Cannas.

KILLARNEY IMPROVED.

The new deep pink Killarney rose being placed on the market this season by A. N. Pierson is identical with the original Killarney in all respects except that it holds its deep pink color uniformly through all the seasons—a very desirable quality. The rose originated at the Montrose Greenhouses of N. F. McCarthy & Co., of Boston, and had two years' severe test before it was sold to A. N. Pierson, who is now introducing it to the trade and controls the stock. It will undoubtedly supercede the original pale and irregular type in the same manner as Bridesmaid superceded Catherine Mermet years ago.

THERE'S MONEY IN THIS ROSE.

Among the sterling novelties advertised in this paper by that level-headed plantsman, C. H. Totty, keep your eye on Lady Hillingdon rose. Mr. Totty is fortunate in being able to offer stock of it as the demand is such that there is very little of it lying around for this season. Nothing lovelier in bud form or more vigorous and healthy in growth can be found, while the brilliant orange-copper color and heavy foliage give it a standing at once with rose lovers. Its qualities as a forcing rose are vouched for by the most prominent rose growers in the country.

GREENHOUSES BUILDING OR CONTEMPLATED.

Norwalk, Ohio.—E. J. Peat, addition.
Guthrie, Okla.—Furrow & Co., range of houses.

Red Wing, Minn.—John Nordine, one house.

Woodstock, Conn.—Frank H. Miller, one house.

St. Louis, Mo.—Charles Bleekert, range of houses.

Streator, Ill.—O. A. Fanning, cucumber house 40 x 200 feet.

Dows, Iowa.—The Dows Management Houses, one house.

St. Bruno, Que. Can.—St. Bruno Floral Co., four houses 50 x 50, with four lean-tos.

Dennis Connor reports the aggregate of one day's orders received at the office of the Lord & Burnham Company in Philadelphia amounted to over fifty thousand dollars. This included the following: Alban Harvey & Son, Brandywine Summit, Pa., house 53x250 ft. for carnations and sweet peas; John Burton, Chestnut Hill, Phila., 43x150 ft. and 28x150 ft. (rebuilding); Joseph Hand, carpenter and contractor, for private parties at Holmesburg, Phila., conservatories aggregating \$46,500; William H. Westcott, newly-established florist at Roxboro, Phila., two more houses, aggregating \$4,250.

A GERMAN HEATING EXPERT.

George Hoentsch, one of the most successful boiler makers and greenhouse builders in Germany, proprietor of Hoentsch & Co., Niedersedlitz, Dresden, has come over to study conditions of his line in this country.

Mr. Hoentsch is a self-made man, who started business sixteen years ago with two men. Today he employs over 600 men and has built up a trade that covers the whole European continent. He is a very keen observer and is most enthusiastic about what he has observed in the United States. This week he is visiting in Chicago and next week expects to return home.



Dreer's Double Petunias

Our **DOUBLE PETUNIAS** for more than half a century have been the acknowledged standard. The strain this season is equal in high quality to its predecessors and is well known to the trade.

We offer fifteen distinct varieties, in strong 3-in. pots, which will quickly furnish an abundance of cuttings.

Strong 3-in. pots, 75 cts. per doz., \$6.00 per 100. The set of 15 for \$1.00.

SEED OF OUR

Superb Strain of Fringed Petunias

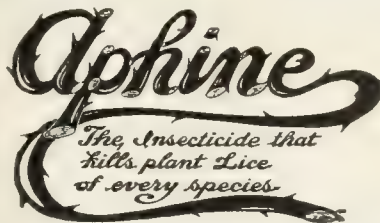
DOUBLE, 75 cts. per 500 seeds, \$1.50 per 1000 seeds.

SINGLE, 50 cts. per trade pkt., \$1.00 per 1-16 oz., \$1.50 per 1-8 oz.

These prices are for the trade only.

OUR CURRENT QUARTERLY WHOLESALE PRICE LIST offers a full line of seasonable Plants, Seeds, Bulbs, etc.

HENRY A. DREER, Philadelphia, Pa.



You may depend on it for positive results, without fear of failure or dissatisfaction.

\$2.50 PER GALLON; \$1.00 PER QT.

"FUNGINE"

An infallible remedy for mildew and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 PER GALLON; 75c. PER QT.
For sale by seedsmen.

Manufactured by
APHINE MANUFACTURING COMPANY
MADISON, N. J.

New Strawberry "Heritage"

New Strawberry "Heritage" enormous cropper; heavy rooter; withstands drouth, \$4.00 per 1000.

W. H. L. OPENSHAW, Atco, N. J.

If you are interested in **ORNAMENTAL TREES, SHRUBS, VINES and HARDY FLOWERS**, send for my catalog. It offers a select list of plants of excellent quality at moderate prices.

DANIEL A. CLARKE

Red Oak Nurseries

Fiskeville, R. I.

Box Trees

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DAHLIA ROOTS

Whole Field Clumps—At \$5.00 per 100 and up, 1000 in 10 distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$40.00 cash.

CANNA ROOTS

Strong Division—At \$2.00 per 100, \$18.00 per 1000 and up. Send for List.

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

IMPORTED DENDROBIUMS

We are now receiving our usual importations of Dendrobiums, and can offer the following in excellent value. Many of these plants with early cultivation and careful storing can be had in flower at periods extending from Xmas on the one hand to the end of May on the other.

Dendrobium Wardianum Lowianum—The true large-flowering type.

Crassinode—Specially fine plants of this lovely and distinct variety. Very useful for basket work.

Nobile—From district where specially fine forms have been received.

Dalhousianum—This noble species has seldom been imported in such condition.

Jamesianum—Pearly white large-flowering variety, lasting long in flower.

Chrysotoxum, Fimbriatum, Clavatum—Three of the most lovely free flowering yellow varieties.

Devonianum—Very free and beautiful fringed-lip variety, delicately scented.

Catalogue and prices on application

Stuart Low & Co. Royal Nurseries Bush Hill Park nr. **London, England**

Telegraphic Address "Orchids, Enfield."

Telephone Numbers, 1 and 2, Enfield

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayli, Wimsetti, Adiantoides, Aspidium Tauasimense, Crytomium falcatum, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CINERARIA HYBRIDA

Remember this is the

BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants,

1012 West Ontario St., Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Rosindale, — Boston, Mass.
Price list on application.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St. New York, N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

FERNS FOR DISHES

Assorted varieties.

2 in. pots, \$3.50 100; \$30.00 1000.

Cash with order.

FRANK OECHSLIN

1011 Quincy St. — CHICAGO, ILL.

BOSTON FERNS, 2½ inch \$30.00 per 1000.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

BEST PALMS

All Varieties, All Sizes.

Send for Price List

Joseph Heacock

Wyncote, Pa.

TRITOMA PFITZERI

RED HOT POKER

The best poker for cut flowers.

	Per 100	Per 1000
Divisions, single crowns...	\$4.00	\$30.00
Double and Triple.....	6.00	50.00
Clumps	8.00	70.00

THOMAS J. OBERLIN, Sinking Spring, Pa.

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US?

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

PLANTS and FLOWERS always on hand
ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

In ordering goods please add "I saw

it in HORTICULTURE."

Roehrs Quality

In Palms, Pandanus, Azaleas, Ferns, Orchids, Camellias, Lorraines and the endless variety of **Flowering or Foliage Plants** for Commercial Use or Conservatory Decoration. Quality is our **First Consideration**. And you can get it every day in the year.

Send for Catalogue

Julius Roehrs Company
RUTHERFORD, N. J.

We Are Now Booking Orders. Can We Supply You?

CT. VAN WAVEREN & KRUIJFF

The Sign of Quality

Nurseries and Home Office

Sassenheim, Holland

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We are the largest growers of Bulbs, Spireas and Dahlias in Holland. Originators of the Spirea Gladstone and Queen Alexandria.

Specialties

GOLDEN SPUR NARCISSI, SPIREAS, HYACINTHS, TULIPS, DAFFODILS, GLADOLI, DAHLIAS

Write for our complete Catalogues on Bulbs and Dahlias, now ready

GT. VAN WAVEREN & KRUIJFF,

491 Bourse Building, PHILADELPHIA, PA., U. S. A.

A BLUE ROSE

*The Greatest
Rose Novelty
of the Century*

It flowered with us this season and was greatly admired.

The New Rambler (Violet Blue), hailed by the German rose growers as the forerunner of a genuinely cornflower blue rose, is a seedling of Crimson Rambler, very vigorous and hardy, and free blooming.

Send for description and price.

ELLWANGER & BARRY

Mount Hope Nurseries

ROCHESTER, N. Y.

OREGON GROWN ASTER SEED

Yamhill Co., Oregon, is the natural home of the Aster and any one desiring seed OF HIGH-GRADE COMMERCIAL QUALITY

will do well to try our seed for 1911. Ask for our new descriptive booklet.

OREGON ASTER SEED, pink, shell pink, white or purple.....Tr. Pkt., 25c; 4 Pkts., 75c; Oz., \$4.00
VICK'S ROCHESTER, lavender pink.....Tr. Pkt., 25c; 4 Pkts., 75c; Oz., 4.00
LADY ROOSEVELT, bright pink.....Tr. Pkt., 20c; 4 Pkts., 60c; Oz., 3.00
Special prices to seedsmen. Contracts taken for 1911.

HERBERT & FLEISHAUER, Aster Specialist, McMinnville, Oregon

Plant LOVETT'S PERENNIAL Plants

if you would embellish your grounds this year and for years to come. Our new 84 page FREE catalog lists a thousand best varieties of strong vigorous plants which give quick and gratifying results.

Stately hollyhocks of grand strains, in strong field-grown roots — will flower freely the first season. Large perfect double hollyhocks — each flower a veritable rosette fringed hollyhocks and single, all described and illustrated in our catalog. Write to-day for a copy Free.

J. T. LOVETT
Box 153. Little Silver, N. J.

INCORPORATED.

Okemah, Okla.—Southwest Nursery Co., capital stock \$50,000. Incorporators, C. M. Redmand, C. N. Potter and P. D. Peters.

New Haven, Conn.—The Kopf Nursery Co., capital stock \$70,000. Incorporators, Wm. E. Deckerman, Mathew H. Leity and Henry P. Kopf.

Libertyville, Ill.—The Meredith Flower and Vegetable Co., capital stock \$10,000. To do a general nursery business. Incorporators Joseph E. Meredith, Chas. W. Stout and Benjamin H. Miller.

¶ There are two kinds of friends in business—those who buy for friendship sake and those who buy for business sake. Those who are friends for business sake generally last longer because the other friends go to your competitors when they want to beat down the price, or they are jealous of your success. When the writer started in business he had many friends in the trade. Some of them promised him their business if he started out himself; but when he did start there were very few who kept their promises. It was one of life's lessons however and now he is thankful the tide turned that way for he is under no obligations whatever to these so-called friends. Business is business and that ends it.

¶ In buying bulbs buy from those who have the best to offer. Make it a business transaction. In lily bulbs and in french bulbs the Horseshoe Brand is superior to anything on the market. Try them for comparison.

¶ Ask for catalog.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Cold Storage Giganteum on hand ready for delivery at any time during 1911.

Seed Trade

Canners' Convention.

Another Canners' Convention has passed into history and it is only fair to say that in all essentials it has excelled any previous one. The attendance was undoubtedly the largest in the history of the Canners' Association, while the volume of business transacted by the Machinery and Supply men was probably greater than ever before. All are pretty well agreed on these facts. The seed growers were liberally represented as usual, only one of the prominent pea and bean growers being absent.

Canners' Peas Sold Up to Limit.

Before the close of the convention the fact developed that most of the pea and bean growers were very nearly booked up to their capacity. We are informed that the largest concern in this line of business is now sold up for future delivery on almost all varieties of so-called canners' peas and as previously stated, the others are in very much the same situation. A large number of the canners, following their usual habit, are reluctant to place their orders and are looking for prices to weaken. These people are certainly doomed to suffer disappointment and will well deserve it. The idea which possesses many men to always be looking for something a little better than their competitors can get, not infrequently causes them much trouble and extra expense. It has been stated in these columns at different times that spot peas of the sweet wrinkled varieties were practically out of the market, and this fact was certainly brought out forcibly during the convention, when numerous inquiries were made for different varieties which were not procurable at any price. One canner was looking for a thousand bushels of one variety, while many others wanted quantities ranging from one hundred to five and six hundred bushels, and it is safe to say that the aggregate must have been at least ten thousand bushels. It is absolutely impossible for the canners to secure any considerable quantity of these peas and they will be compelled to substitute Alaskas or reduce their acreage.

Rochester's Prospects.

No selection was made of a place for the next annual convention, but if one may express an opinion from information received, it looks as if Rochester would be the favorite town. This city was represented by the proprietors of its two leading hotels and a delegation of wide-awake, able supporters who presented their case with both logic and eloquence, and it is almost a thousand to one shot that they have won their case. Among the other competitors may be mentioned New Orleans and St. Paul. The latter has no chance whatever, while New Orleans has very little more. As the convention is due to go east next year, there is certainly no town more capable of taking care of it and meeting all the requirements, than Rochester. This city has been seeking the convention for the past three seasons and has accepted defeat philosophically and its representatives have shown themselves to be good losers. We wish them success.

EXTRAORDINARY NOVELTY

The First Ruffled Gladioli

GLADIOLUS KUNDERDI "GLORY"

Wavy, ruffled petals give the flower the appearance of an Orchid. Color, creamy pink.

Each 20c; Doz. \$2.00; 100 \$15.00

Write for Special Circular.

HENRY F. MICHELL CO.

518 Market St.

Phila., Pa.

The Machinery and Supplies Exhibits.

Two years ago it was voted by the Machinery and Supplies Association to exhibit only every other year. Last year was the first when no exhibits were held for quite a number of years and the attendance was not over one-third of this year's or one-half of the year before, and those canners who have been insisting that the exhibits were a detriment have doubtless seen a light, although a few of them are such natural born reactionaries they very much resemble the Scotch dominie who thanked God his mind was not open to conviction on a certain point.

At the business session of the Association held during the past week, the resolution of two years ago was rescinded and it was voted to hold an exhibit next year unless the site chosen for the convention should make it too expensive to be profitable. It is safe to say in this connection that if Rochester is chosen, it seems quite certain that the machinery exhibits will be on even a larger scale than here this year.

Unreliable Seed Trade Information.

The value of the information furnished by some trade journals is illustrated by a quotation from one of them as follows: "The packers of peas, corn, tomatoes, etc., are reported to have sold at this early date, all the 1911 pack they care to pledge of the pack." Those familiar in the slightest degree with the business, know this to be absolutely misleading and incorrect. Another quotation is as follows: "The annual gathering of the canning trades will take place at Milwaukee next week. There will be no machinery display. Some of the seedsmen who have been regular attendants, will pass it up this year, having no peas and little else for sale." As a matter of fact, the machinery exhibits this year were the largest in the history of the canning industry and it was known two years ago that this was the year for a display by the Machinery and Supplies Association. As to the statement that most of the seedsmen would pass up the convention, it is a fact as already stated that but one prominent seed grower was absent. All of the others who generally attend these conventions were there with both feet and industriously canvassing for business.

Personal.

Jerome B. Rice, Jr., was married to a young lady of Cambridge, N. Y., Feb. 1st, and the couple are now on their honeymoon, intending to visit Europe and the Holy Land and expect to be gone several months.

Mr. and Mrs. Jerome B. Rice are at Miami, Florida, and have been for several weeks. It is reported that the climate being somewhat damp, has not benefited Mr. Rice's rheumatic condition as much as he expected and that it is very likely they will seek another part of Florida where the air is drier.

Notes.

The customary spring season "night work" began at Thorburn's, N. Y., on Thursday, February 9, this being the earliest date for some years.

Burnett Bros.' window on Cortlandt street, New York, was wrecked by the dynamite explosion which did so great damage in the downtown district in New York city two weeks ago.

S. D. Woodruff & Sons have made substantial improvements in their place at 82 Dey street, New York, and now have a well-appointed wholesale and retail store on the ground floor.

Incorporated.

Cooksville, Ill.—Hayward Bros., to deal in grain, seeds and farm products.

Sturgeon Bay, Wis.—The Door County Seed Co., capital stock \$15,000. Incorporators, Louis H. Klenke and others.

Billings, Mont.—The Montana Seed and Plant Co., capital stock \$25,000. Incorporators, M. B. Brown, V. T. Brown and C. E. Wharton.

Jack Frost Mats

For Cold Frames

\$1.25, \$14.50 DOZ.

WM. ELLIOTT & SONS,

42 Vesey St., New York

Boston Flower Market Stock

Has held a reputation of unexcelled quality with a large share of the florists all over the country for the past fifteen years. 85% to 90% double flowers.

Pure White	Trade Packet, 75c.; Ounce, \$5.00
Finest Mixed	" " 60c.; " 4.00
Crimson	" " 60c.; " 4.00
Canary Yellow	" " 60c.; " 4.00
Dark Blue	" " 60c.; " 4.00
Deep Blood Red	" " 60c.; " 4.00
Apple Blossom	" " 60c.; " 4.00
Rose	" " 60c.; " 4.00
Light Blue	" " 60c.; " 4.00
Scarlet	" " 60c.; " 4.00

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Square; also 26 South Market Street - BOSTON, MASS.

C. C. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.

PRODUCERS AND WHOLESALE MERCHANTS **ONION SETS** Write Us for Prices
Largest Growers of Peas, Beans and Garden Seed. Headquarters
228-230 W. KINZIE STREET CHICAGO

GERBERA

Jamesoni Magnifica

An Improved Form of the beautiful Scarlet Barberton Daisy, originating with A. Jaeneke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.

"Superbloom" Valley Pips

Special Forcing Grade, \$12.00 per 1000 in cases of 2000 pips; also all other flower seeds and bulbs for florists and gardeners.

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

WEEBER & DON

Seed Merchants and Growers. 114 Chambers St., N. Y. City

ONION SEED—ONION SETS

We are extensive growers and dealers. Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE OHIO

PEA SEED

Gradus, Thos. Laxton, \$10.00 per bu.; Ameer, \$8.00 per bu.

Full line of all the short articles of Garden Seeds. Send us a list of your requirements. Wholesale list now ready.

S. D. WOODRUFF & SONS,

82 Dey Street, New York, N. Y.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.

109-110 W. Kinzie St., CHICAGO

FUCHSIAS

LITTLE BEAUTY

LORD BYRON

TENNER

E. RENAN

WHITE BEAUTY.

Strong 2½-in. pots

\$4.00 per 100

SKIDELSKY & IRWIN CO., 1215 Berz Oldg., PHILADELPHIA, PA.

Established 1820

Thorburn's Seeds

For Florists and Market Gardeners.

All highest grade.

Catalogue mailed on application.

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for **\$28.00 PER TON**

Send to-day for sample 100 lb. bag, \$2.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.

BALTIMORE, - MD.

W. N. Scarff.

C. C. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

La Mesa, Calif.—An up-to-date nursery and propagating house has been established by Frank M. Oliver where he will grow ornamental and fruit trees, plants, flowers, etc. The nursery is located at Lemon avenue and East 4th street.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Monmouth, Ill.—The flower store of
Charles Hewitt will be moved the
middle of this month.

Reading, Pa.—E. H. Beears & Sons,
florists, 32 North 9th street, have
moved to 40 North 9th street.

Salt Lake City, Utah.—The Huddart
Floral Co., 163 Main street, is making
improvements and alterations to the
value of \$1,000.

B. Schroeter of Detroit is compelled
to make room for a large 8-story build-
ing by March 1st and is therefore look-
ing for temporary quarters until his
new store, which was spoken of here
some weeks back, is completed.

STEAMER DEPARTURES

Allan.

Ionian, Boston-Glasgow.....Feb. 23

American.

Adriatic, N. Y.-S'hampton...Feb. 18

Phil'd'phia, N. Y.-S'hampton...Feb. 25

Anchor.

California, N. Y.-Glasgow...Feb. 18

Columbia, N. Y.-Glasgow...Feb. 25

Atlantic Transport.

Minneapolis, N. Y.-London...Feb. 18

Minnehaha, N. Y.-London...Feb. 25

Cunard.

Campania, N. Y.-Liverpool...Feb. 15

Ivonia, Boston-Liverpool...Feb. 21

Mauretania, N. Y.-Liverpool...Feb. 22

French.

Espagne, N. Y.-Havre.....Feb. 23

Hamburg American.

Pres. Lincoln, N. Y.-H'mb'rg...Feb. 18

Amerika, N. Y.-Hamburg...Feb. 25

Hamburg, N. Y.-Medit'n...Feb. 28

Holland-American.

Potsdam, N. Y.-Rotterdam...Feb. 21

Noordam, N. Y.-Rotterdam...Feb. 28

North German Lloyd.

Berlin, N. Y.-Medit'n...Feb. 18

Bremen, N. Y.-Bremen...Feb. 21

G. Washington, N. Y.-Br'm'n...Feb. 25

F. Der Grosse, N. Y.-Medit'n...Feb. 25

Red Star.

Lapland, N. Y.-Antwerp...Feb. 25

White Star.

Zeeland, Boston-Liverpool...Feb. 14

Adriatic, N. Y.-S'hampton...Feb. 18

Cedric, N. Y.-Medit'n...Feb. 22

Baltic, N. Y.-Liverpool...Feb. 25

Phil'd'phia, N. Y.-S'hampton...Feb. 25

NEW FLOWER STORES.

St. Louis, Mo.—The Red Bud Floral
Co., Sixth street.

Chicago, Ill.—Wm. Marks, 1357 Mil-
waukee avenue.

Thompsonville, Conn.—Charles H.
Furey, High street.

NEWS NOTES.

Topeka, Kans.—The Herington
Greenhouse has been purchased by
Wm. Gordon.

Alameda, Cal.—The green-house of
the Alameda Floral Co. was damaged
by fire the morning of Feb. 7th; loss
about \$200.

Lake City, Minn.—A greenhouse pro-
ject is assured for Lake City, work
upon which will be begun as soon as
the material can be shipped.

New Brunswick, N. J.—Chas. Mil-
lang of New York has got judgment
against H. J. Tiel for \$496.18, for mer-
chandise and worthless checks.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Corre-
spondents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardspier.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

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MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665 SEATTLE, WASH.
1932 Second Ave.,

Orders given prompt attention.

W. R. GIBSON, Mgr.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.



Less Ice With Better Results

The McCray System of Refrigeration, which insures a perfect circulation of cool, dry air, will not only reduce your ice bills, but will keep your stock in the best condition - fresh, fragrant and attractive.

McCray Refrigerators

Are made so as to display your flowers to the best advantage. They can be lined with white enamel, opal glass, tile, mirrors or marble to suit your convenience. Write for our beautiful Free Catalog No. 72, which shows refrigerators for florists, both stock and built-to-order, in all sizes and styles.

McCray Refrigerator Co.

Chicago Office 55 Wabash Ave. 253 Lake St., Kendallville, Ind. New York Office 231 West 42nd St.

THE Florists' Supply House of America

Anything you need in the line of Florists' Supplies we can furnish. Send to us. Catalogue on request.

H. BAYERSDORFER & CO., 1129 ARCH STREET PHILADELPHIA, PA.

PERSONAL.

Ernest Ross, florist, Hudson, Mass., is confined to his house by sickness.

H. S. DeForest is now sales agent for Canada for the Pierson U-Bar Company.

E. F. Coe of the Elm City Nursery Co., New Haven, Conn., is now in Japan, making a study of Japanese gardening.

Max O. Jordan, of J. M. Keller,

Brooklyn, N. Y., and Mrs. Jordan, are spending a short vacation at Lakewood, N. J.

Phillip H. Cox, formerly superintendent for C. L. Bauscher, Montclair, N. J., has accepted a position with the Pierson U-Bar Co.

F. Sander sailed from Liverpool for a short visit to America, on Saturday, February 11, due to arrive in New York about Friday of this week.

St. Louis visitors: J. J. Karins, of Dreer's, Phila.; C. T. Waters, of Randall's Chicago; J. T. McPherson, of Litchfield, Ill.; Wm. Skinner, Springfield, and Harry Balsley, Detroit.

New York visitors: W. E. Wallace and wife, of Eaton Bray, England, visiting American carnation growers. Mr. Wallace has been termed "The Dorner of England;" R. Vincent, Jr., and wife, White Marsh, Md.; Wm. Kleinheinz, Ogontz, Pa.; Harry Wild, Greenwich, Conn.

NEWS NOTES.

Shrewsbury, Mass.—A. H. Knight has established here as a carnation grower and the King Construction Company has his order for a 100-ft. iron-frame truss house, with Ideal sectional boiler.

Amherst, Mass.—On Saturday, Feb. 4th, the classes in floriculture of the Massachusetts Agricultural College, accompanied by Prof. White, visited the greenhouses of A. N. Pierson & Co., at Cromwell, Conn. Mr. Wallace R. Pierson very cordially guided the party through the large establishment and answered the many questions which were asked.

Beaumont, Tex.—The Southeast Texas Floral Co. have taken a five-year lease of the property at the northwest corner of Spruce avenue and Collier's Ferry road upon which will be erected a range of houses for the purpose of supplying flowers and floral decorations for the cemetery. The entire plant will be transferred to the new location this spring.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
 Boston—Thos. F. Galvin, 124 Tremont St.
 Boston—Edward MacMurtrei, 191 Boylston St.
 Boston—Julius A. Zinn, 1 Park St.
 Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
 Buffalo, N. Y.—Palmer's, 304 Main St.
 Chicago—William J. Smyth, Michigan Ave. and 31st St.
 Dayton, O.—Matthews, The Florist.
 Denver, Colo.—Park Floral Co., 1706 Broadway.
 Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
 Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
 Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
 Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
 New York—David Clarke's Sons, 2139-2141 Broadway.
 New York—Alex. McConnell, 571 5th Ave.
 New York—Wm. H. Long, 412 Columbus Ave.
 New York—Young & Nugent, 42 W. 28th.
 New York—Dards, N. E. cor. 44th St. and Madison Ave.
 St. Paul, Minn.—Holm & Olson.
 Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.
 Toronto, Can.—J. H. Dunlop, 96 Yonge St.
 Washington, D. C.—Gude Bros., 1214 F St.
 Wellesley, Mass.—Tailby.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points—go

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
 Tel. Wellesley 44-1 and 2. Night 44-3

ACACIA**PUBESCENS****\$2.50 per bunch**

Liberal size bunches. The choicest novelty in yellow at this time of the year.

BUSINESS HOURS, 7 A. M. to 8 P. M.

The Leo Niessen Co.**WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG**WHOLESALE****CUT FLOWERS**

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart**WHOLESALE****FLORIST**

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

WILLIAM F. KASTING Co.**Wholesale Florists**

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO Feb. 14	WINN CITIES Feb. 14	PHILA. Feb. 14	BOSTON Feb. 16
Ara. Beauty, Fancy and Special...	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00	50.00 to 75.00
" Extra	30.00 to 40.00	30.00 to 40.00	35.00 to 45.00	30.00 to 40.00
" No. 1	30.00 to 40.00	30.00 to 40.00	30.00 to 40.00	30.00 to 40.00
" Lower grades	8.00 to 15.00	6.00 to 15.00	20.00 to 30.00	6.00 to 8.00
Bride, "Maid, F. & S.	8.00 to 10.00	8.00 to 10.00	10.00 to 15.00	8.00 to 12.00
" Lower grades	4.00 to 6.00	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00
Richmond Chatenay, Fancy & Special	10.00 to 12.00	8.00 to 10.00	15.00 to 20.00	15.00 to 25.00
" Lower grades	5.00 to 8.00	5.00 to 8.00	6.00 to 10.00	4.00 to 10.00
Killarney, My Maryland, Fan. & Spl	10.00 to 12.00	8.00 to 12.00	12.00 to 15.00	10.00 to 16.00
" Low. grades	5.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00
CARNATIONS, First Quality...	3.00 to 4.00	3.00 to 4.00	5.00 to 6.00	3.00 to 4.00
" Ordinary	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	60.00 to 75.00	50.00 to 60.00	30.00 to 40.00
Cypripediums	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Lily, Longiflorum	12.00 to 15.00	12.50 to 15.00	15.00 to 20.00	8.00 to 12.00
Lily of the valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	.50 to 1.00	.75 to 1.50	.50 to 1.00	.30 to .50
Mignonette	3.00 to 6.00	3.00 to 7.00	5.00 to 6.00	2.00 to 8.00
Lilac, per bunch .....	.....	.....	.50 to 1.00	.....
Tulips	2.00 to 3.00	2.50 to 4.00	3.00 to 4.00	1.00 to 3.00
Roman Hyacinths, Paper Whites ..	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.00 to 1.50
Daffodils	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	1.50 to 3.00
Daisies .....	.....	.....	2.00 to 3.00	.....
Snapsdragon .....	.....	.....	12.00 to 15.00	6.00 to 8.00
Sweet Peas .....	.75 to 1.00	1.00 to 1.50	.75 to 1.50	.50 to 1.00
Gardenias	40.00 to 50.00	25.00 to 35.00	30.00 to 40.00	25.00 to 35.00
Adiantum .....	.....	1.00 to 1.25	1.00 to 1.50	1.00 to 1.25
Smilax	12.00 to 15.00	15.00 to 25.00	15.00 to 25.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00
" & Sorens (fronches)	25.00 to 40.00	30.00 to 40.00	40.00 to 50.00	30.00 to 40.00

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Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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Roses and Carnations Our Specialty

Flower Market Reports

Up to the present time **BOSTON** the short supply of roses and carnations noted in our recent weekly reports continues unabated but weather conditions are now propitious and in all probability the product will increase in volume shortly. Still the next two weeks are the height of the gaiety season and the demand may be relied upon to consume the goods all right up to March 1st when Lent sets in and in the meantime very little change in market values of really first quality goods can be expected. Last week's prices prevail unchanged thus far. Valentine's day brought an increase in trade generally but was a failure so far as violets are concerned. The stormy weather interfered with the big street outlet and the regular trade could not handle the surplus. Some carnation growers are showing bad judgment in rushing undeveloped flowers to market, expecting to profit by the present stringing but the buyers are entirely too wise to be fooled that way and so the stuff which, properly handled might have amounted to something is discarded and lost. Bulbous stock, such as Narcissus Von Lion and Golden Spur, is very abundant, as is also lily of the valley, and on this material bed-rock prices are unavoidable.

Trade continues good **BUFFALO** and stock not too plentiful. The only shortage is on roses. The medium and short grades are most in demand, although selects have moved freely. Beauties are improving daily. The weekly calendar is well filled with social gaieties which makes a good call for flowers in general. Spring flowers are coming in more plentifully and sales are satisfactory. Lilies are of good quality and find ready sale. A couple of days sunshine have brought on carnations, although prices have held firm. Plenty of smilax to be had, but demand light.

There is little new to be **CHICAGO** said in reference to the market here. The passing of each week brings us one nearer to a supply of roses once more, but the situation is not without its good features, which the bulb men will profit by, very probably, next season. Without the bulbous stock, which is excellent in quality now that the first cut is past, the loss of roses and the scarcity of carnations in January would have been felt much more severely. On the other hand, had there been as many other flowers to draw from, bulbous flowers would not have found so ready a sale and so it is a chance, which this year was in favor of the bulbous stock. There is also a good supply of miscellaneous stock, including mignonette, freesia, violets, daisies, Roman hyacinths, paper whites, callas and lilies. The sunshine so much needed came for a few hours, but gave way to rain and at this writing (February 14th), clouds and fog give little hope of encouragement from that direction. Among the retailers nothing new was noted among the Valentine favors though some found the sale of potted plants to be more than usual. Window boxes of red tulips and others of yellow narcissus were popular, while lily of the valley



LILAC—Very choice, per bunch, **\$1.00**

ACACIA—per bunch, **\$2.50**

SOME SPLENDID NEW ROSES

MELODY, DOUBLE KILLARNEY, PRINCE DE BULGARIE and ROSE QUEEN

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WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Feb. 14	DETROIT Feb. 14	BUFFALO Feb. 14	PITTSBURG Feb. 14
Am. Beauty, Fan. and Sp.	20.00 to 25.00	15.00 to 50.00	30.00 to 50.00	40.00 to 50.00
" Extra	8.00 to 15.00	25.00 to 30.00	15.00 to 20.00	20.00 to 30.00
" No. 1	4.00 to 0.00	2.00 to 25.00	10.00 to 15.00	10.00 to 15.00
" Lower grades .....	..... to	6.00 to 14.00	5.00 to 7.00	5.00 to 8.00
Bride, "Maid, F. & S.	8.00 to 10.00	4.00 to 8.00	10.00 to 12.00	6.00 to 8.00
" Low. gr.	4.00 to 6.00	8.00 to 12.00	6.00 to 8.00	3.00 to 4.00
Richmond, Chateau, Fancy & Special	8.00 to 10.00	4.00 to 8.00	..... to 15.00	8.00 to 12.00
" Lower Grades ..	4.00 to 6.00	8.00 to 12.00	6.00 to 10.00	6.00 to
Killarney, My Maryland, Fan. & Spl.	8.00 to 10.00	8.00 to 12.00	10.00 to 15.00	8.00 to 12.00
" Low. Grades ..	4.00 to 6.00	4.00 to 8.00	6.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00
" Ordinary	2.00 to	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to	50.00 to 60.00	..... to 75.00
Cypripediums .....	..... to .....	..... to	10.00 to 15.00	..... to 15.00
Lilies, Longiflorum	10.00 to 15.00	12.50 to	12.00 to 15.00	..... to 15.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	.35 to	1.00 to 1.50	.50 to 7.00	.50 to .75
Mignonette .....	..... to	4.00 to 6.00	3.00 to 4.00	..... to 6.00
Lilac, per bunch .....	..... to	1.00 to 1.50	..... to 1.50	..... to 1.50
Tulips	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Roman Hyacinths, Paper Whites	2.00 to 3.00	3.00 to	2.00 to 3.00	3.00 to
Daffodils	3.00 to	3.00 to	2.00 to 3.00	5.00 to 6.00
Daisies .....	.50 to .75	1.00 to 2.00	..... to	1.00 to 3.00
Snapdragon	8.00 to 10.00	4.00 to 6.00	..... to	6.00 to 8.00
Sweet Peas .....	.50 to .75	.75 to 1.00	.50 to 1.00	.50 to 1.00
Gardenias .....	..... to .....	..... to	40.00 to 50.00	..... to 30.00
Adiantum	1.00 to	1.50 to .....	.50 to 1.50	..... to 1.50
Smilax	10.00 to 15.00	12.50 to .....	..... to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	35.00 to 50.00	20.00 to 40.00	40.00 to 60.00	30.00 to 50.00
" & Spreu. (100 bchs.)	25.00 to 35.00	4.00 to 40.00	35.00 to 50.00	30.00 to 50.00

in round pots tied with pink were very attractive and sold well. Large quantities of violets were disposed of, one house stating that 30,000 were used in filling advance orders alone.

Last week was quiet but **DETROIT** steady, and with a perceptible increase towards the end of the week. Everything of

(Continued on page 1)

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American Beauty, Fancy and Special.....
" " Extra.....
" " No. 1.....
" " Lower Grades.....
Bride, 'Field, Extra and Special.....
" " Lower Grades.....
Richmond, Chatenay, Extra and Special.....
" " Lower Grades.....
Killarney, My Maryland, Extra and Special.....
" " Lower Grades.....
Carnations, First Quality.....
" Ordinary.....

Last Half of Week
ending Feb. 11
1911

First Half of Week
beginning Feb. 11
1911

40.00 to 60.00	40.00 to 60.00
30.00 to 30.00	20.00 to 30.00
10.00 to 15.00	10.00 to 15.00
3.00 to 6.00	3.00 to 6.00
6.00 to 15.00	8.00 to 15.00
2.00 to 6.00	2.00 to 6.00
10.00 to 15.00	10.00 to 15.00
2.00 to 6.00	2.00 to 6.00
4.00 to 10.00	4.00 to 10.00
2.00 to 3.00	2.00 to 3.00
3.00 to 4.00	3.00 to 6.00
2.00 to 3.00	2.00 to 3.00

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Flower Market Reports

(Continued from page 225)

good quality sold well and bulbous stock competed strong against carnations, crowding them to a lower price. Roses are still scarce. Some shippers of bulbous stock seem to be careless in cutting; quite a quantity of narcissi arrived in bad condition and is consequently unsalable.

NEW YORK

The rose market has eased up very noticeably within the past

week and as the crop gathers volume the prices slacken and the buyer gets better values for a stipulated sum. The outlook is for a heavy crop in the near future, from all growing sections, and the coming of a few warm days would doubtless create havoc generally. Carnations are also showing indications of impending disturbance of values, but just at present this applies only to the white sorts as the call for reds for Valentine Day use has been brisk enough to hold prices very firm on the bright colored stock. Violets are very fine as a rule. Many more singles are seen than in previous seasons in this market, so noted for the high quality of its double violets. Quite a proportion of the dark Gov. Herrick is noted but the inferiority in size of flower and length of stem places this variety in second grade, regardless of its advantage in color. Daffodils are arriving in large quantities and extra good quality. The Poeticus Ornatus is now among the staples and a good many Campernelles are also in. Roman hyacinths and paper whites are in very light supply. Lilies are nicely balanced as to supply and bring a good price, as do also callas. There are still a good many small cattleyas about and they are disposed of with difficulty, but the supply of really fine blooms is on the wane and prices have made a sharp advance. Gardenias continue scarce. A good many dendrobiums of several species are being received and Acacia pubescens has made its appearance, but most of it has been cut too young. A good many dwarf pyruses and prunuses in bloom add a distinct charm to the florists' windows.

Business last week

PHILADELPHIA pretty good; not a whole lot of stock

to do business with, but they managed to do fairly well considering. Gardenias and short white roses were the items particularly in demand and emphatically on the scarce list. American Beauties were not as plentiful as expected, and proved also on the short side. Pink roses were not in

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

Cattleyas.....	
Lilies, Longiflorum.....	
Lily of the Valley.....	
Violets.....	
Mignonette.....	
Lilac, per bunch.....	
Tulips.....	
Roman Hyacinths, Paper Whites.....	
Daffodils.....	
Freesia.....	
Daisies.....	
Snapdragon.....	
Sweet Peas (per 100 bunches).....	
Gardenias.....	
Adiantum.....	
Smilax.....	
Asparagus Plumosus, strings.....	
" " & Spreng. (100 bchs).....	

Last Half of Week ending Feb 11 1910	First Half of Week beginning Feb. 11 1911
25.00 to 50.00	25.00 to 60.00
8.00 to 10.00	10.00 to 18.00
1.00 to 2.50	1.00 to 3.00
.20 to .50	.25 to .60
2.00 to 8.00	2.00 to 8.00
.10 to .75	.50 to .75
2.00 to 4.00	2.00 to 4.00
1.00 to 1.50	1.00 to 1.50
1.00 to 1.50	1.00 to 2.00
1.00 to 1.50	1.00 to 1.50
.50 to 1.00	.50 to 1.00
3.00 to 6.00	4.00 to 6.00
4.00 to 8.00	4.00 to 10.00
25.00 to 40.00	25.00 to 40.00
.75 to 1.00	.75 to 1.00
6.00 to 10.00	6.00 to 10.00
20.00 to 30.00	20.00 to 30.00
15.00 to 25.00	15.00 to 35.00

so large quantity either; and on the whole it may be said that all roses were scarce—all along the line. Being near to St. Valentine's week gave quite a little flip to the violet market. All grades of these sold well, as did also lily of the valley, sweet peas, and other medium-priced subjects. Carnations came in more freely and no advance in prices took place on these, although they sold up pretty clean. Orchids were not very much in demand, and quite some surplus developed towards the end of the week.

PHILADELPHIA NOTES.

John Westcott has arrived home from his trip to the Bermudas and received a royal welcome from his old friends in Philadelphia.

His many warm friends in Philadelphia hear with deep regret of the serious illness of L. G. Blick, Norfolk, Va. Mr. Blick is held in the highest esteem everywhere and the whole craft sends up its prayers for his speedy recovery.

In addition to the regular stocks listed in this issue the Philadelphia market is offering, among other things: Perle roses, \$6 to \$8; Melody, \$8, \$10, \$12; freesia, \$3 to \$4; callas, \$15; swainsona, 15c. per bunch; acacia, \$2.50 per bunch.

I. S. Hendrickson of Flowerfield, N. Y., gave an interesting lecture on "Gladioli" in the Michell series on the 13th inst. This was held in the new auditorium which is quieter, more commodious, and more comfortable than the old room adjoining.

Visitors: Harry Schroyer, Lancaster, Pa.; W. F. Gude, Washington, D. C.; Miss Lou Dundas, Lancaster, Pa.

Clinton, Conn.—A water tank is being built at the greenhouses of Brooks Bros. to supply their greenhouse.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
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ADIANTUMS

Adiantum cuneatum and *Farleyense*, large clumps from bench, \$8.00 per 100; \$75.00 per 1000. Cash, please. Albert F. Amling Co., Maywood, Ill.

AGERATUMS

Ageratum Stella Gurney R. C., 50c 100; \$4.00 1000. Cash.

J. P. Cannata, Mt. Freedom, N. J.
Ageratum, 3 inch, \$4.00 per 100. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.
Ageratum Stella Gurney, 2½ in., \$1.75 per 100. Rooted cuttings, 50 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

ALTERNANTHERAS

Alternanthera Brillantissima and *Aurea Nana*, rooted cuttings, 80c per 100; \$5.00 per 1000. Leonard Long, Oakhurst, N. J.

Alternanthera, strong fall-struck cuttings, 60c per 100. Keeney's Greenhouses, Monongahela, Pa.

ALYSSUM

Double giant alyssum, 70c per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. C. Humfeld, Clay Center, Kan.

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nana.
For page see List of Advertisers.

Asparagus Sprengerii, 2½-in., strong, \$1.50 100. J. Palmer Gordon, Ashland, Va.
Asparagus plumosus, fine 3-in., \$5.00 per 100; 2½-in. Sprengerii, \$2.00 per 100. Weber Bros., Ironton, Ohio.

ASTER SEED

Herbert & Fleishauer, McMinnville, Ore.
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Elmer D. Smith & Co., Adrian, Mich.
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The Crego Aster is the biggest money-maker for the florist of any aster grown. Buy direct from introducer. Colors: White shell pink, rose pink and blue. ¼ oz. \$1.00, ½ oz. \$2.00, ounce \$4.00. Cash with order. G. S. Crego, 736 E. Main St., Portland, Oregon.

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For page see List of Advertisers.
Julius Roehrs Co., Rutherford, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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A. Leuthy & Co., Roslindale, Mass.
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Thomas Roland, Nahant, Mass.
Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.
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New England Nurseries, Inc., Bedford, Mass.
For page see List of Advertisers.
Boblink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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John Lewis Childs, Flowerfield, L. I.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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CALIFORNIA PRIVET

Carlman Ribsam, Trenton, N. J.
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CANNAS

Wood Bros., Fishkill, N. Y.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.
Cannas, 2 to 3 eyes, dry roots. Louisiana, Pennsylvania, \$1.25 per 100. Austria, Italia, 60c per 100. Cash. Wm. Bierstadt & Son, Springfield, Ill.

CACTI

CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

Cacti Free. The most wonderful plant grown. I live where they grow and make a specialty of collecting for dealers at low wholesale rates—\$3.00 per 100 up. A fine \$5.00 specimen given free with first order for 100. Price list and large pkt. of Cacti seeds for 5 cts. in stamps. Order at once. Mrs. S. L. Pattison, Wholesale and Retail Dealer in Cacti, Mesilla Park, New Mexico.

CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.
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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J.
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F. Dörner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
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Wood Bros., Fishkill, N. Y.
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Harlowarden Greenhouses, Greenport, N. Y.
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Shepard's Garden Carnation Co., Lowell, Mass.
Rooted Cuttings.
For page see List of Advertisers.
Strong, healthy, well rooted carnation cuttings. Beacon, \$2.50 per 100; Enchantress and Winsor, \$2.00 per 100. H. E. Mitting, Atchison, Kan.
S. J. Reuter & Son, Inc., Westerly, R. I.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.
Sangamo carnation cuttings, \$6.00 per 100, \$50.00 per 1000, or will exchange for Pink Delight or Dorothy Gordon cuttings. Rolf Zetlitz, Lima, Ohio.
Rooted carnation cuttings. Victory, Enchantress and Pink Imperial, \$2.50 per 100; \$20.00 per 1000. Cash. David A. Dean, Baldwin, L. I., N. Y.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum Stock Plants. Early Snow, Kalb, Boehlmann, Eaton, Nonin, Baby Margaret, Gloria, Duckham, M. F. Plant, Leo (Pink Pompon), Cullingfordii, Georgianna Pitcher, Nagoya, etc. \$3.00 per 100; Pres. Taft, Golden King, Mrs. Keller, 60c. per doz., \$4.00 per 100; Mrs. Wm. Wincott (White) and Mrs. A. R. Peacock (Pink), 1910 Novelties, \$1.00 per doz. Stafford Floral Co., Stafford Springs, Conn.

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CHRYSANTHEMUMS — Continue

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM STOCK PLANTS. all ready now. **OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA, \$3.00** per 100; \$20.00 per 1000 assorted. **POEHL-MANN, GOLDEN EAGLE, CHADWICK** and **YANOMA \$4.00** per 100; \$30.00 per 1000. **PRES. TAFT, white, MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00** per 100. **I. M. RAYNER, Greenport, N. Y.**

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt, Bristol, Pa.**

Cinerarias, 2½ in., \$2.00 100; 3 in., \$3.00; 3½ in., \$3.50; 4 in., \$6.00; seedlings, \$1.25 100, or will exchange for stock. **M. D. SCHMIDT & SON, Park St., Dayton, O.**

Cinerarias. Buy now for Easter. Columbian, James' Prize, Scarlet Queen, old rose, blood red, azure blue, white, crimson, 3 in., \$4.00; 4 in., \$6.00 per 100. Fine, clean, stocky, ready for a shift. Cash, please. **J. Sylvester, Florist, Oconto, Wis.**

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Coleus, 2½ inch, \$15.00 per 1000. **R. C. \$4.00** per 1000. **Sunnyside Greenhouses, Barborton, Ohio.**

Coleus, a grand collection, named, 70c. per 100; \$6.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. **C. Humfeld, Clay Center, Kan.**

Coleus, rooted cuttings, 17 varieties, \$4.00 per 1000, 60c. per 100 by mail, cash. **C. Schulze & Son, 261-275 Lawrence St., Flushing, N. Y.**

Coleus. Pfister (red and yellow), Verschaffeltii and Golden Bedder, \$6.00 1000. **The Geo. Wittbold Co., Edgebrook, Chicago, Ill.**

Coleus, rooted cuttings, \$4.00 per 1,000. **Fowlerville Floral Co., Flushing, N. Y.**

CUPHEAS

Cuphea (cigar plant), \$1.00 per 100; \$8.00 per 1000. We pay express charges on all rooted cuttings. Satisfaction guaranteed. **C. Humfeld, Clay Center, Kan.**

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made Write for list. **Holton & Hunkel Co., Milwaukee, Wis.**

CYCLAMEN

Thomas Roland, Nahant, Mass.

Giant Persian cyclamen, red, white, pink and splendid mixture. Good, strong plants out of 2½ in. pots, many of them are now in bloom. \$5.00 per 100; \$40.00 per 1000. **Schmidt & Botley Co., Springfield, Ohio.**

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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DAHLIA—Big stock, big clumps, best sorts. **C. Betscher, Canal Dover, O.**

45,000 field-grown clumps, 2c and up. List ready. **H. W. Koerner, Sta. B., Milwaukee, Wis.**

Catalogue of dahlias, cannas, iris, shrubs, berry plants, etc. **W. L. LUN, R. D. 7, Topeka, Kan.**

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? **Geo. H. Walker, Dahlia Expert, North Dighton, Mass.**

Dahlias, 750,000 clumps to offer. Send for list of your wants to the **Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.**

DAHLIAS — Continued

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. **J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.**

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. **Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.**

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena Indivisa, 3 inch, 4c. **Claude C. Clark, Muncie, Ind.**

Dracaena indivisa, fine stock for growing on, from 2 in. pots, \$2.00 per 100; 2½ in., \$2.50 per 100. **Cash. Wettlin Floral Co., Hornell, N. Y.**

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. **Wm. Nilsson, Woodlawn, New York City.**

EVERGREENS

New England Nurseries, Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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Eastern Nurseries, Jamaica Plain, Mass.

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T. C. Thurlow's Sons, West Newbury, Mass.

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FERNS

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H. H. Barrows & Son, Whitman, Mass.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. **F. M. Soar, Little River, Fla.**

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock, Boston, Whitmanil, Scotti and Piersoni, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. **Cash. A. G. Lake, Wellesley Hills, Mass.**

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson, Fern Specialist, Short Hills, N. J.**

Neph. Whitmanil and Scotti from 2½ inch pots, \$3.00 per 100. **Runners from bench, \$15.00** per 1000. **Scholzelli, 2½ inch, \$5.00** per 100. **Leonard Long, Oakhurst, N. J.**

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. **George Stevens, Peterborough, Ont., Canada.**

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FEVERFEW

Feverfew Little Gem, the best, \$1.25 per 100, \$10.00 per 1000. We pay express charges on all rooted cuttings; satisfaction guaranteed. **C. Humfeld, Clay Center, Kan.**

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1161-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS' PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. **O. K. Fink, Pottstown, Pa.**

FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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Reed & Keller, 122 W. 25th St., New York.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUCHSIAS

Skidelsky & Irwin, Philadelphia, Pa.

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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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GERANIUMS

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Otis F. Searies, Nashua, N. H.

Geranium Cuttings.

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Geraniums, R. C., best varieties, \$9.00 per 1000. **Sunnyside Greenhouses, Barborton, Ohio.**

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; **Ricard and Poitevine, \$14.00** per 1000. **Albert M. Herr, Lancaster, Pa.**

Geraniums from 2½ in. pots, S. A. Nutt \$18.00, Ricard \$20.00 per 1000; large well grown plants, satisfaction guaranteed. **Stock plants, \$5.00** per 100. **Quaker Hill, Nurseries, Monroe, N. Y.**

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. **C. Betscher, Canal Dover, O.**

Send for our list of choice gladioli and dahlias. **Cushman Gladiolus Co., Sylvania, O.**

America gladiolus bulbs ready for shipment. Write for prices. **B. B. Currier, Seabright, Cal.**

Gladiolus America, 1½ in. to 2½ in., \$3.00 per 100; \$25.00 per 1000. **W. Frank & Sons, Portland, Ind.**

GLASS

Boston Plate & Window Glass Co., Boston
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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In writing to Advertisers kindly mention Horticulture

GLASS — Continued

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lora & Burnham Co.,

1133 Broadway, New York.

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A. T. Stearns Lumber Co., Neponset,

Boston.

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J. C. Moninger Co., 117 East Blackhawk

St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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William H. Lutton, Jersey City, N. J.

Horticultural Architect and Builder.

D. Hiffe, Boston, Mass.

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Pierson U-Bar Co., Madison Ave., New York

Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GREENHOUSE CONSTRUCTION, Semi-

Iron Greenhouse, New Truss Houses and

Iron Frame Houses. Lord & Burnham Co.,

1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.

Improved V Shape Gutter with drip gutter

attachment. Lord & Burnham Co.,

1133 Broadway, N. Y.

King Construction Co., North Tonawanda,

N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall A-so. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

H. M. Roblason & Co., Boston, Mass.

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Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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HEATING APPARATUS

Lord & Burnham Co.,

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Kroeschell Bros. Co., 466 Erie St., Chicago.

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HELIOTROPES.

Heliotrope, dark blue, 2 1/4 in., very bushy, \$2.00 per 100. Rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HARDY PLANTS

ROCKY MOUNTAIN PERENNIALS.

ANEMONE PATENS, flowers tulip

shaped, blue, 50c doz.; \$3.50 100.

AQUILEGIA COERULEA, Rocky Mountain

blue columbine, \$1.00 doz.; \$6.00 100.

CLAYTONIA SPRING BEAUTY, 35c

doz.; \$2.00 100.

GERANIUM FREMONTII, rose color,

with darker veining, 50c doz.; \$3.50 100.

PENTSTEMON, mixed colors, 50c doz.;

\$3.50 100.

Plant early for best results. All perfect-

ly hardy. Other Rocky Mountain plants

collected to order. Leaf mold, \$1.50 100

lbs.; \$25.00 ton. Cash. C. F. LEACH,

Box 82, Sedalia, Colo.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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James Backhouse & Son, Ltd., York, Eng-

land.

Alpine and Herbaceous Plants.

HOSE

H. A. Dreer, Philadelphia, Pa.

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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

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IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R.

C., \$1.00 per 100. Sunnyside Greenhouses,

Barberton, Ohio.

INSECTICIDES.

Nicotinide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stump & Walter Co., New York.

Kilmdead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.

Aphine.

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E. H. Hunt, Chicago, Ill.

To-Bak-line Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.

Tobacco Powder.

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IRIS

Boblink & Atkins, Rutherford, N. J.

German and Japanese Iris.

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IRIS--The very best out of 500 sorts.

C. Betscher, Canal Dover, O.

IVIES

English Ivy, large leaves, 3 in. pots, fine

plants, \$5.00 per 100; \$45.00 per 1000. Wm.

Schwan & Son, Fredonia, N. Y.

Ivy, rooted cuttings, English, \$1.00; Ger-

man, 50c. per 100 prepaid. Chas. Frost,

Kenilworth, N. J.

500 surplus German Ivy, 2 inch, 2 cents

each. E. A. Chipman, Woonsocket, R. I.

JACK FROST MATS

Wm. Elliott & Sons, New York.

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KENTIAS

A. Lenthby & Co., Roslindale, Mass.

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LANDSCAPE GARDENING**COURSE**

Home Correspondence School, Springfield,

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LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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LILY OF THE VALLEY PIPS

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NICO-FUME

Kentucky Tobacco Product Co.,

Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.

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T. C. Thurlow's Sons, Inc.

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Bay State Nurseries, North Abington,

Mass.

Hardy, Northern Grown Stock.

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Eastern Nurseries, Jamaica Plain, Mass.

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McHutchinson & Co., New York, N. Y.

Direct Importations.

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Daniel A. Clarke, Fiskeville, R. I.

Ornamental Trees, Shrubs, Vines, Etc.

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TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00, by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

Nursery Stock For Sale--800 Evergreens

in all varieties; 900 Maple, Norway and

Rock, 8 to 15 feet; 700 Willow, 8 to 12 feet;

1000 large Shrubs in all the best varieties;

Vines, Roses and Perennials, the best va-

rieties. All clean stock. We are obliged

to remove this stock this spring as our

lease has run out and our other fields are

nearly full. Prices will be satisfactory as

we must clean the stock out. Pierce's Nur-

sery, Beverly Farms, Mass. Telephone 97.

ONION SEED

Schilder Bros., Chillicothe, Ohio.

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ONION SETS

Leonard Seed Co., Chicago, Ill.

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Schilder Bros., Chillicothe, Ohio.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Carrillo & Baldwin, Mamaroneck, N. Y.

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Ordenez Bros., Madison, N. J., Box 105.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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Stuart Low & Co., London, England.

Imported Orchids.

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Orchids--largest stock in the country.

Stove plants and Crotons, finest collection

Julius Roehrs Co., Rutherford, N. J.

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Edward V. Low, late of Hugh Low &

Co., dissolved, Vale Bridge, Haywards

Heath, England. "White" Cattleyas and

Choice Cyrtipediums are leading features.

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ORCHID PLANTS—Continued

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Julius Koehrs Co., Rutherford, N. J.

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Joseph Heacock, Wyncote, Pa.

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PANDANUS

Pandanus Vetchli cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Henry A. Dreer, Philadelphia, Pa.
Double Petunias.

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Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

Double Fringed Petunia R. C., \$1.00 per 100. Keeney's Greenhouses, Monongahela, Pa.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

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Buxton Doane Co., 13 Midway St., Boston.

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Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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Oriental Poppies, mammoth flowered; grandest poppy in cultivation, perfectly hardy. Strong yearling plants \$1.00 doz. Wingert & Ulery, Springfield, Ohio.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY FOOD

J. Bolgiano & Son, Baltimore, Md.
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PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula obconica grandiflora and gigantea, all colors, 2½ in., ready for shift, nicely budded, \$3.00 per 100. Kewensis, new giant yellow, in bloom, blooms all summer, 3-in., \$4.00; 4-in., \$6.00 per 100. Cash, please. J. Sylvester, Florist, Oconto, Wis.

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Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

Amoor River, 2 yr., all well bran, 12 to 18 in., \$12.50M; 18 to 24, \$16.50M; 24 to 30, \$20.M; 30 to 36, \$25.M; 36 to 48, \$36.M. Cal. Privet: 2 yr., 12 to 18 in., 2 to 4 bran, \$7.50M; 18 to 24, 3 to 5 bran, \$10.M; 24 to 30, 4 to 6 bran, \$14.50M; 30 to 36, 6 to 10 bran, \$20.M. F. O. B., cash with order. Valdesian Nurseries, Bostic, N. C.

RASPBERRY PLANTS

J. T. Lovett, Box 153, Little Silver, N. J.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England
Hardy and Forcing Varieties.

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New Forcing Irish Rose "Melody."

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Lady Gay and Dorothy Perkins roses, field-grown, cut back to 2 or 3 ft. of wood, \$5.00 per 100; \$40.00 per 1000; 500 at 1000 rate. Florence Nursery, Florence, S. C.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barberton, Ohio.

SCALECIDE

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S. M. Ishell & Co., Jackson, Mich.

Michigan Grown Vegetable Seeds.

Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

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Smilax seedlings, 50c. per 100; \$4.00 per 1000. Cash only. John Bauscher, Jr., Freeport, Ill.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

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Chas. J. Jager Co., Boston, Mass.

In writing to Advertisers kindly mention Horticulture

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W. H. L. Openshaw, Alco, N. J.
New Strawberry, "Heritage."
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VEGETABLE PLANTS

50,000 Grand Rapids and Big Boston Lettuce plants, now ready, \$1.00 per 1000.
Keeney's Greenhouses, Monongahela, Pa.

VENTILATING APPARATUS

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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinca variegata, extra strong 2-in., \$2.25 per 100; \$20.00 per 1000. Claude C. Clark, Muncie, Ind.

VIOLETS

Marie Louise violet blooms. No. 1 quality, 75c per 100; ordinary, 60c. Cash with order, please. A. S. Fraleigh, 10 Clark St., Holyoke, Mass.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.

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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

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BOSTON AND SCOTTII FERNS.

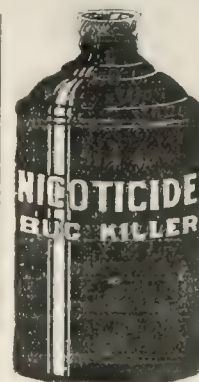
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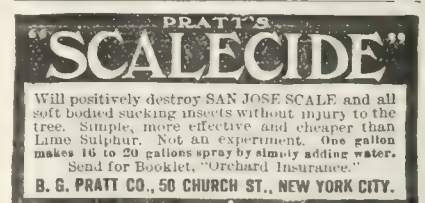
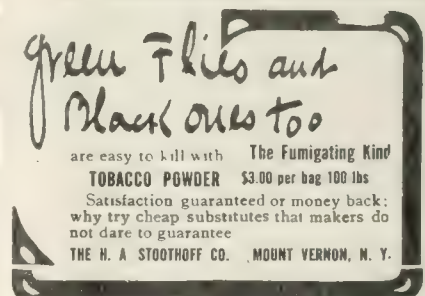
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Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

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all over these pages.

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Bargains in good things.

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EUROPEAN NOVELTIES.

E. Neubert, nurseryman, of Wandsbek, Hamburg, sends us an interesting list of novelties which he is putting on the market this year.

Nephrolepis Neuberti is a sport from Whitmanii, was exhibited last May at the International Spring show in Paris and got the first prize against all other nephrolepis of recent origin.

Adiantum Matador is recommended as the finest adiantum for vase and table decorations. Another good variety for cutting is Adiantum Triumph, introduced by E. Neubert in 1908.

Among Hortensia novelties are the following:

Mme. E. Mouillere, giant well formed umbels, flowers pure white and beautifully fringed.

Mlle. Rene Gaillard, pure white, giant umbels, flowers with irregularly denticulated borders.

Generale Vicomtesse de Vibraye, a first-rate forcing variety, large umbels of bright rose.

Souvenir de Mme. Chautard, short and bushy, large umbels of medium sized pink flowers.

Souvenir de Mme. Raoul, bright pink.

Mme. Riverain, deep pink.

Avalanche, pure white, medium size umbels, short growth.

Fraicheur, very large umbels of medium tall flowers, pale rose with mauve center.

La Lorraine, giant umbels of large, regular formed pink flowers, with denticulated borders.

Bouquet Rose, flowers rose.

Dentelle, short growth, regular denticulated flowers of cream white passing to tender rose.

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Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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The Home Correspondence School

Dept. H, Springfield, Mass.

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HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. **National Labor Exchange, 918 Walnut St., Phila., Pa.**
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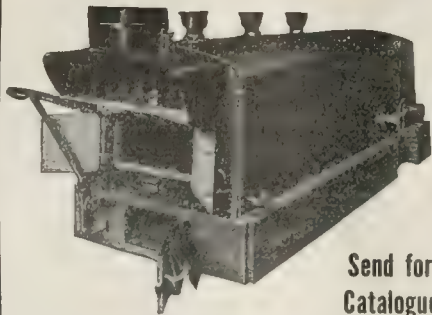
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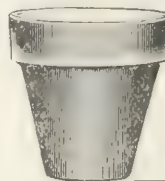
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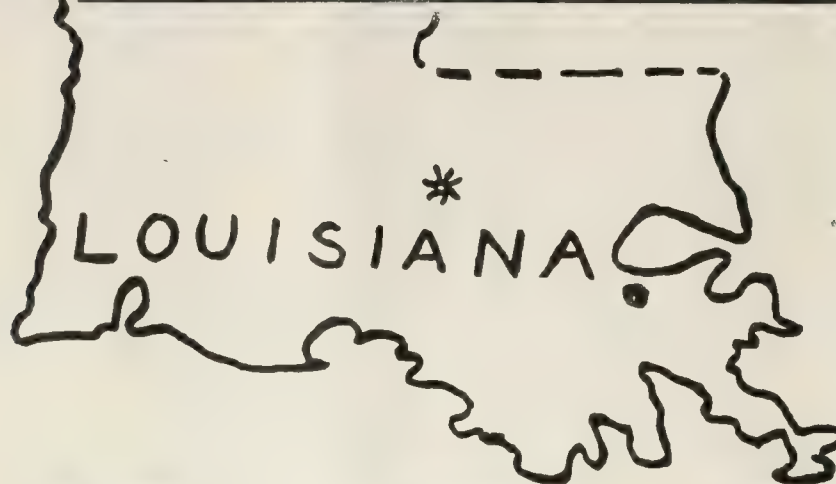
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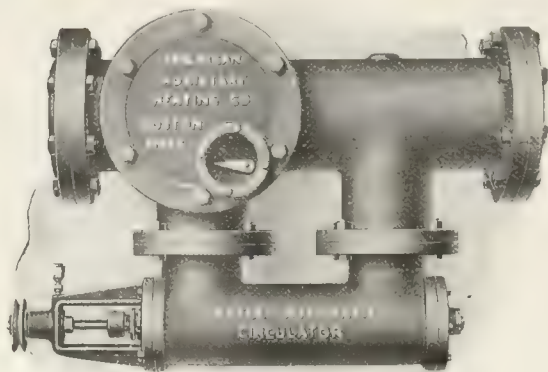
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HORTICULTURE

Vol. XIII.

FEBRUARY 25, 1911

No. 8



HYBRID TEA MAE, SECOND WEBER

Courtesy of the American Rose Society



DEVOTED TO THE
Florist, Plantsman, Landscape Gardener and Kindred Interests

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Eryngium



Of the hardy ornamental thistles—*Carlina*, *Cirsium*, *Echinops* and *Eryngium*—the last two named merit consideration of every landscape gardener and garden owner. It is first the foliage of many of the *eryngiums*, both in their radical and cauline form, here deeply cordate, their spiny cut, or serrate toothed, which at once appeals to our vision. More so still does the abundance of flower heads of oblong shape, surrounded at the base by an involucre of long spiny bracts, add to their handsome appearance. *Eryngiums* may be employed to good effect on the perennial border. They will even sometimes thrive well when naturalized on sunny slopes in rough sandy soil, in parks, where few other hardy perennials are apt to make any showing. What is justly prized in most of the cultivated *eryngiums* is their long period of blooming and the great resistance of their flowers. Cut, they represent a very useful and frequently favored material for filling vases. They may also be dried and in this state retain their ornamental value for an indefinite time.

The best known species, and one of the prettiest, is *Eryngium alpinum*, a native of the Alps, with flower heads and bracts of a steel-blue color, attaining a height of about two feet. Slightly taller is *Eryngium giganteum*, a freely branching variety from the Caucasus Mountains, with ivory white flowers. For the reason of its color it is often called the ivory-thistle. Decidedly the handsomest of all is *Eryngium amethystinum*, syn. *E. Oliverianum* hailing from the Orient. Habit of growth is shown by our illustration, a reproduction of a photograph taken in the Mt. Desert Nurseries. The plant is from 2 to 2½ feet tall, with cones and bracts of a remarkably vivid and lasting blue. The hardiest and, therefore, the one best suited for northern planting is *Eryngium planum*, a native of eastern Europe, with rather flat, pale blue heads. The species mentioned so far are midsummer perennials, in bloom from July to September. As an exception I finally name the garden variety *Zabeli*, a pale blue cross between *E. alpinum* and *E. Bourgati*, producing flowers until late in the fall.

Eryngiums are best raised from seed sown right after

ripening. The blue color of their bracts and cones is sometimes intensified by adding lime to the soil. Being inhabitants of mountain regions they require a high sunny location.

Richard Roth

Northeast Harbor, Maine.

Chrysanthemum Polypheme

This magnificent yellow flowered variety is one of the best we possess at the present day for decorative purposes and for cutting. Owing to the tall growth it is, however, unsuited for pot culture. The flower is of ideal beauty and in form a gigantic ball, and every bud is absolutely certain, so that the waste with this variety is very small, provided the buds are not taken too early. It may be classed with the late flowering section; and should not come into bloom before the 15th of October. Therefore the first crown buds should not be allowed to remain, although they may look so promising, the blooms coming from these being of a flat form, and of a greenish sulphur tint, and of abnormal length. The second crown buds are grand. The foliage of *Polypheme* is entirely healthy and yet not too large, which is always an advantage.

Frederick Moore

Oncidium splendidum

This is a fine decorative orchid, where its color allows it to be used. Long stems and a branching habit make it one of the best for vase work. Its peculiar shape and attractive markings make it very noticeable. Sander's



Orchid Guide describes it thus: "Sepals and petals yellowish-green, barred and blotched with rich brown, recurved at the tips, lip large, flat, and yellow in color."

The plants above figured carried spikes from four to six feet high, as can be seen by comparison with the door used as a background.

G. H. PENSON.

The Honey Bee and Its Uses

Bees are often to be found near the home of the farmer and horticulturist and are one of nature's greatest assets—far more so than the casual observer would credit, helping her along in her great work, apparently unnoticed. We have men in business today who rely on the honey flow and the manufacture of bee-keeping appliances for a livelihood. This shows what strides—I was going to say—the bees have made, but I guess they stepped just as lively in Biblical days.

Bees seem to have been part of the world ever since its beginning. Biblical allusions to them are many—the promised land was said to flow with milk and honey. Bees abound in Palestine and other parts of the world in a wild state and it was from these the Jews of old obtained their supplies. Works of ancient writers speak of the honey bee and its golden harvest. Savages hunted their nests and devastated them of all their luscious wealth. Savages who could not build a permanent home for themselves, whose sport was wiping a neighborhood tribe out of existence, could not be expected to make a home for the bee, but with the advance of civilization bee keeping has become an art and an industry. See the many appliances of any up-to-date apiary, the knowledge of a bee's requirements, their diseases, etc., and the complete control an experienced hand will have over an army of workers, gently driving them like so many sheep.

Bees are kept for both pleasure and profit. The pleasure of getting stung would be a poor recreation to many, yet a bee sting has its good point (always good and sharp, admitted). Members of the medical profession tell us that the poison from one of these little fellows has a power for good on rheumatism. If managed in a proper manner, however, stings will be few and far between—in fact a friend of mine, an old expert, on seeing a slight addition to hand or face would tell me I deserved all I got for only bad management brought it on. I found this out to my sorrow more than once. Nervousness often causes a lot of trouble this way and only by constantly working amongst them can this be overcome. They are as harmless as a fly when treated right, but resent any "dirty tricks" in no uncertain manner.

I chanced to be passing by some hives last summer, and suddenly saw what proved to be the owner fighting with both hands and making a speedy retreat. On inquiring found he was trying to put on some supers—perforce jarring the top off any old way and giving them a general shaking up, then wondered why they stung. You hear the argument advanced by some "they won't sting 'so and so' but they always do me." Why? Because "so and so" knows how to handle them and can take a frame out and look at the brood without thinking of meeting any resistance.

Speaking of brood brings me to one of the most interesting parts of bee keeping. Special "observatory hives" are made so that any one can watch these most wonderful changes taking place. They are made in various shapes

and sizes having interior walls of glass. Queen raising is another novelty in itself. Much could be said about this interesting part, but more anon. To turn to the question of profit. As a hobby or sideline I know of no better paying proposition. Speaking from experience—I started when eleven years old and kept "tab" of every cent. Each year I put my savings into new hives and appliances and the fourth year I had six stocks and a balance in hand. I got the bee fever early and never wholly forgot it. As stated above bee keeping on a commercial basis is a paying business, but no novice wants to take it up without acquiring some knowledge beforehand.

A mistake often made by many is that they consider it necessary to have a large flower garden and produce the flowers for the bees. This is all unnecessary—ridiculous in fact, for bees will travel three miles or more wherever they can find a honey or pollen producing flower. Instinct of bees is of a high order for, should a crop of anything come into flower, whole colonies will work on it, providing there is work for all. No unemployed are kept here. The loafers or drones are turned out before the winter sets in. Three or four workers can be seen hauling one of these great fellows out and after this he is an exile.

The most important part bees play, looking at it from a gardener's point of view, is that of hybridization. As they flit from flower to flower, seeking the honey which is secreted down in the segments, the head and legs are forced to brush past the anthers laden with their open pollen sacks. These are partly emptied on the bee as it enters and quite probably as it comes out some grains of pollen are either knocked directly on to the stigma or carried there via bees' legs. Thus some flowers are fertilized with their own pollen, others have it carried to them from neighbors. It is essential for all fruit trees to have blooms properly fertilized. Many evenings can be profitably spent by the gardener who handles fifteen or twenty hives. There is always a good demand for pure honey and beeswax. Although there are thousands of bee keepers in this great country producing hundreds of tons of honey yearly great quantities are imported. Great Britain imports as much as she can produce herself. For beeswax made from old combs, cappings, etc., there is also a good demand.

George H. Benson

Mr. Benson's next notes will be on Thinning Early Peaches; Vines in Flower; Setting Peaches in Dull Weather; Hot Beds; Forcing Rhubarb.

H. T. Rose Mme. Segond Weber

Our cover illustration, for which we are indebted to H. A. Dreer, Riverton, N. J., shows one of the most promising of the recent rose novelties. This is the introduction of Soupert & Notting, 1908, and is recognized by rosarians as one of the grandest novelties of recent years. Color yellow ochre suffused with carmine, bud long and pointed opening into an enormous bloom, delightfully fragrant. Rose fanciers will do well to look it up.

Seasonable Notes on Culture of Florists' Stock

ASPIDISTRAS

The demand for these plants is always good. By their great constitution they are able to stand more abuse than most plants, especially where there is dry air, dust, and lack of light. Now is a good time, before they start active growth, to propagate whatever stock you may need. Break up large plants so as to go into 3 or 4-inch pots saving a good piece of the rhizome to each division. Use any good soil and keep close until new roots have started. Another way is to wash the rhizomes clean of soil and cut up into small pieces, leaving some roots attached and place in a cool propagating bed where they will make fresh roots which can be potted up and grown on. These plants like a temperature of 50 to 55 degrees at night with a day temperature of 65 to 75 degrees, according to the intensity of sunshine.

FERNS

A good many fern trays will now need attention. A good compost for the little ferns is fresh loam, two parts, leaf mold and sandy peat, one part. For 4-inch pots a heavier soil should be used. Ferns do not like to be potted too firm. After potting a reasonable amount of atmospheric humidity should be kept up, but never to the extent to cause dripping moisture on the plants. While ventilation is necessary to counteract stagnant atmosphere, all drafts should be guarded against now and during the spring months; in fact, at any season it is not good for ferns. Now is a good time to multiply your stock by division of the many species of commercial value. Select plants that are in active growth or beginning to show new life, divide them up into pieces large enough for 3 or 4-inch pots and keep rather moist and shaded during the brightest hours of sunshine. Water with the greatest care until new growth starts. Most ferns should have some shade from now until next October. For a mixed house of ferns a temperature as near as possible to 60 degrees with a slight rise through the mid-day hours will do, but, of course, to have them good the treatment as regards temperature, moisture and soil must differ as to varieties. Sow spores now of any kind needed, in a soil that is somewhat porous coupled with good drainage. Cover with a glass and keep shaded until the growth appears. Keep the soil moist by sinking the pans up to the rim in a tub of water when they need water.

JERUSALEM CHERRIES

When these seedlings are sufficiently large to handle they should be pricked off into flats, and when well established in these flats they should be potted into small pots and later into larger, so as to keep them growing. In their early stages they should be frequently pinched to make bushy plants. When danger from frost is over they can be planted out into the open ground where they will thrive in any soil even under apparently adverse circumstances.

PALMS

Diminished light, and artificially maintained temperature during winter has offered every opportunity for mealy bug, scale, and red spider. Now is a good time to undertake their eradication before the hustle of spring starts. Give all a good sponging with some good insecticide, or use one ounce of whale oil soap to one gallon of water and combine with forceful syringing and repeat several times if necessary. Before they are set up and

rearranged the benches should receive a good cleaning and, if possible, replace the old material with fresh. If old material is left on, drench with boiling water. The palms should now be looked over and potted, where needed, using a rather heavy soil liberally enriched with about one-fourth of well decayed cow manure, adding two pounds of bone meal to each barrow of soil. All palms that have reached a certain height and spread should be encouraged by giving more root room, but don't overpot them. See that the soil is made firm all around the old ball. Those that do not need potting will be better to have as much of the old surface soil removed without an undue sacrifice of roots. Make this surface material richer than the potting soil. Palms after repotting should be kept rather close with a temperature of from 60 to 65 degrees. Young stock that is grown on should be kept in a higher temperature, say, from 65 to 70 degrees.

PHALAENOPSIS

As these orchids pass out of flower they are always better for a short rest. They should be kept comparatively dry but not allowed to remain dry for any length of time as they have no pseudo-bulbs in which to store up nourishment. When the compost assumes a slight crispness to the touch it is time to give them some water. Before they send forth their new roots they should be repotted or fresh material given. Where the compost is good it is not necessary to remove it all every year. Just pick out some of the old compost and renew with chopped live sphagnum and fern fibre in equal parts. They grow very well in a night temperature of 62 to 68 degrees and from 70 to 75 by day, but with solar heat give a few more degrees. Light syringing occasionally is essential at all seasons except when they are in flower when it should be discontinued. Give fresh air but avoid all sudden drops in the temperature and cold draughts, as they require considerable care to maintain an even temperature while ventilating. In their growing seasons, the walks, walls and under the benches should be kept well saturated with water as these orchids come from a very hot and humid climate. They should be shaded from now until November, but not heavy enough to shut out the indirect rays. *Phalaenopsis amabilis*, *Schilleriana* and *Rimestadtiana* are good kinds.

YOUNG LORRAINE BEGONIAS

Cuttings that were placed in the sand after the middle of January should all be nearly ready to be potted off. Use no manure for the first potting, but make the soil porous by adding sand and leaf mold. For later shifts use some old well-rotted manure intermixed through soil. Give them an average temperature of about 65 degrees for newly-potted stock. When they get well established 5 degrees lower will do. Shade against bright sun and water with care, especially during periods of prolonged rainy, misty or gloomy weather. To insure plants of symmetrical shape judicious pinching should be resorted to. Keep the plants close to the glass especially during their early stage of growth. This begonia is exacting in its requirements as regards light, ventilation, moisture and watering. If these are made right it will respond and make rapid growth.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Bedding Plants; Boronias; English Ivy; Fancy Leaved Caladiums; Pansies; Plants for Vases, Boxes and Baskets

HORTICULTURE

VOL. XIII

FEBRUARY 25, 1911

NO. 8

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page \$1.00

Discounts on Contracts for consecutive insertions, as follows:

One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Fragrance an essential

We should infer from the frequent reference by foreign writers to fragrance as a desirable attribute in a new rose that this point is likely to be given more prominence in future judging than has been the case heretofore. We can well afford to follow suit in this country, not only in the case of roses but also of carnations. An odorless rose or carnation is deficient in one of the chief factors for popularity and even exceptional productiveness should not be regarded by the grower as offsetting the absence of fragrance.

A glorious victory

The passage by both houses of Congress of the long-fought White Mountain and Appalachian reservation bill is an achievement which will be hailed with delight by millions of patriotic lovers of Nature. At last the ruthless waste of our forest growth is to be stopped and the natural resources upon which so much of our comfort and prosperity depend, protected and conserved. All honor to those senators and representatives who have valiantly and persistently fought out this struggle to so happy a conclusion. Gradually the people of this country are coming to their senses. The circuit court in Colorado recently granted an injunction against the impairment of the beauty of Cascade Canon by the establishment of works and diversion of the water for the generation of electricity, holding that complainants who had constructed roads and trails and stopping places for tourists to enjoy the exceptional beauty of its floral and arboreal scenery had shown a "beneficial use" of the water and were entitled to protection. When the courts rule that natural beauty is an element of value it is evident that the world does move and that the unrestrained plundering of our best possessions and reckless unbalancing of Nature which has already impoverished our great country to the extent of untold billions of value is to be no longer permitted.

A reasonable proposition

The third section of the Mann Seed Bill H. R. 29163 provides "That the term 'seed,' as used in this Act, shall include vegetable, flower, cereal, grass, clover, forage plant, and other agricultural and horticultural seeds intended for seeding purposes." At the hearing on this Bill in Washington, we understand the American Seed Trade Association presented a "Suggested Revision" for the Bill, in which Section 3 was changed to read "That the term 'seed' as used in this Act, shall include grass, clover, forage plant, and other agricultural seeds intended for seeding purposes." Such change would do much to put the proposition upon a fair basis. It would limit the operation of the proposed Act to grass, clover, forage plant and other agricultural seeds intended for seeding purposes, and would exclude vegetable, flower and other horticultural seeds. It is conceded that these last three classes of seeds, as now sold, are generally of a high standard of excellence, higher really than the specifications of Mr. Mann's Bill require. In fact the testimony at the hearing on the Bill brought out the fact that there is apparently no need for any legislation to regulate the sale of vegetable and flower seeds. The evidence tended to show that these, as sold, are pure and that adulteration had occurred only in grasses, clovers and farm seeds. We think that the revised form of Section 3 should be adopted, as it gives protection where protection is required, and works no hardship on those who have given no offense.

PHILADELPHIA NOTES.

Albert Jones of the Pennock-Meehan Co., is back on duty again after a week's illness resulting from a heavy cold caught on a recent western trip.

Henry F. Michell has just returned from a well-earned vacation at Summerville, S. C. Between the catalogue and the rush is the ideal time for the seedsman to take a rest. By this method better work and more of it.

A feature of the Easter preparations at Craig's is a magnificent collection of Rambler roses trained in new and captivating shapes; baskets, bells, umbrellas, and many other unique forms—most of them designed by the fertile genius of young Robert. This will captivate the retailer and will sell on sight. There are three or four big houses devoted to this one item alone.

John Farquhar, of Boston, paid the trade of Philadelphia a brief visit on the 14th and 15th, on his way home from Washington. We are proud to hear that he was one of the foremost champions at the recent hearings in the capital for common sense and fair play for the seed trade. The new Burpee buildings were one of the chief objects of his inspection, and proved an eye-opener for what can be done by an organizing genius with a warm and generous desire for the comfort of his help, as well as for the prompt and accurate despatch of orders.

A serious fire occurred at Stephen Mortensen's rose growing establishment at South Hampton on Sunday night. Eight houses, 20x150, comprising some 24,000 feet area in roses were nearly destroyed, and the contents ruined. The range was worked in two wings with shed between, underneath which were the boilers and gasoline pumping engine. Four houses on each wing went with the shed which was completely destroyed. The smoke flues from the boiler pass underneath the shed to a brick stack situated at some distance outside and it is thought that some shavings must have got near one of these flues and when the firemen started up the extra boiler, when the storm came on Sunday night, the fire started. Fortunately the gasoline tank was empty else the whole establishment would have been obliterated. Willing neighbors did their utmost in helping the proprietor and his forces to board up the damaged houses and save the stock as much as possible. It is thought that the plants for about 6 inches above the root are safe and can be used for a future crop when the houses are repaired. One of the most unfortunate of the losses was a house containing the winter's work in young grafted roses on Manetti stock for which this place is famous. It will be very hard to replace these. The loss is estimated at \$5000 on the buildings and \$3000 on stock and crop. No insurance. The boilers were unharmed. The trade here deeply sympathizes with Mr. Mortensen, who is a young grower who has in a very few years made a great reputation for himself and is highly esteemed, both personally and professionally, by all. He started, it seems but yesterday, with very little and has by his own efforts and industry built up one of the model places of the vicinity which was rapidly expanding from year to year, and

ROCK GARDEN AT H. A. DREER'S, RIVERTON.



this blow to a most deserving and estimable boy makes us all sorrowful and sympathetic.

Visitors: F. R. Pierson, Tarrytown, N. Y.; J. K. M. L. Farquhar, Boston, Mass.; H. L. Holmes, Harrisburg, Pa.

DISTINGUISHED VISITORS COMING.

We learn from our British exchanges that the proposed American trip of horticulturists is now an assured success, fourteen gentlemen being booked and others may be added. The party will sail from Liverpool on the Lusitania, March 11th, and the return will be made on April 5th, on the Mauretania. Philadelphia, Washington, Richmond (Ind.), Chicago, Niagara Falls, New York, etc., will be visited, in addition to the National Flower Show at Boston which is the principal object of the visit. The party will be escorted by the Editor of the Horticultural Trade Journal, Burnley.

MASSACHUSETTS AGRICULTURAL COLLEGE.

Professors Waugh and White, of the Division of Horticulture, returned last week from a trip to Urbana, Ill., where Professor Waugh delivered two lectures, one on his recent European trip and the other on pruning, before the Ill. State Horticultural Association, Professor White attending the meetings of the Ill. State Florists Association at that place. On the return trip Prof. White visited Cornell University. Mr. Charles H. Totty delivered a very interesting lecture on chrysanthemums before the classes in floriculture last Friday morning, Feb. 18.

ROLAND H. PATCH.

New Orleans, La.—We have been having spring weather for the past month and nature is putting on her best attire; the mocking birds are singing and all the spring flowers are in bloom. With ideal weather this is the place for visitors to spend their winter months.

Obituary.

Martin Trautman.

This old-time florist died at his home in Dorchester district, Boston, on February 15, in his 92nd year. Few in the trade now alive remember Martin Trautman. It is twenty years since he retired from business. Along in the fifties he built the greenhouses on Warren street which he occupied for over thirty years. Previous to this he did business on the Williams place, also on Warren street. His establishment was considered a large one for his time and, as was the custom in those days, all business was all done at the greenhouses. The houses contained many large camellias, azaleas, etc., everything being grown in pots on stagings. Mr. Trautman was a well-trained German gardener of the old-fashioned school, reserved and dignified in manner but held in high respect by his fellow-gardeners and florists.

Aaron H. Green.

Aaron H. Green, senior member of the firm of Kerr & Green, florists, Baltimore, Md., was stricken with heart failure and died almost instantly on Feb. 8th. Mr. Green was born in Washington County, Maryland, and after graduating from the schools took up farming. This in turn he gave up for a position in the Poole Iron Foundry, which he held for thirty years, and then entered the florist business with Mr. Kerr. He is survived by a widow, two brothers and six sisters.

James McConnell.

James McConnell of the New York Cut Flower Co. died on February 17. The funeral took place on Sunday, the 19th, and interment on 20th at Woodlawn Cemetery.

Hastings, Nebr.—Charles Winkler has now completed his new greenhouse. It is said to be one of the largest and most up-to-date in the West.

CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

The main feature of the evening of February 14 was a lecture on "Orchids and Their Culture," by Walter Eglinton, a Veitch graduate who has for the past few years been in charge of the orchid department at the Oscar Schultz establishment in this city and has improved the collection under his care to such an extent that he is now admitted to be an expert of the front rank.

Mr. Eglinton said the orchid is justly entitled to be called the queen of all flowers, and that their value as a commercial flower has not yet been fully realized in this country. The odontoglossums he said deserved much more recognition on account of their value in producing graceful decorative effects and the cool treatment they require in summer can easily be provided in a properly shaded house with some arrangement to distribute water over it to help keep the glass cool. Potting should be done only at the time when new roots make a start, and the ordinary orchid pots are better than baskets or boards as plants can be kept under better control in the pots and can be shifted when necessary with less damage. The regular orchid peat is the best material for potting. Speaking of feeding, he said his method is to dampen the paths in the houses about closing time with manure water, the vapor of which is inhaled by the leaves of the plants, but great care should be taken not to overfeed as very vigorous growths do not produce as good flowers as do the medium sized ones. In raising seedlings great patience is needed to nurse them through their small stage. Damping off is one of the greatest troubles. Slugs and other pests are also to be guarded against. Six years is about the average time

required to bring seedlings to the flowering stage but some have been known to take seventeen years.

Mr. Eglinton talked without notes and was aided in his lecture by a collection of cut orchids grown by himself. Among them was a cattleya of unnamed variety which had been in its open state for ten weeks, and was in perfect condition, and on being examined by a committee was awarded a certificate of merit. The lecturer, after answering many questions, was tendered a unanimous rising vote of thanks.

A business meeting followed, when the adoption of a premium schedule for the June show was the chief business. Several new features are included in this, the main one being a table decoration by gardeners' assistants; climbing roses in pots is also added and the usual collection of vegetables is replaced by a class for each of the main vegetables in season at that time.

J. R.

DETROIT FLORIST CLUB.

Members of the Detroit Club turned out well to listen to S. S. Skidelsky on "The Drummer as a Factor in Horticulture." In the absence of the essayist, M. Bloy read the paper. We hope to publish it in full in a later issue.

Mr. Bloy said that he felt especially pleased with the essayist's reference to the drummers' assistance in selecting novelties which is far superior to the system of choosing from highly colored prints of the olden times. Mr. Sullivan dwelt on the value of the drummer as a disseminator of knowledge but felt like condemning that drummer most vigorously who refuses to attend the meeting of any club just because such meeting is a poor place to take orders. J. J. Karins of Dreer's, who was present, gave a very interesting talk on the florist business on the Pacific Coast. FRANK DANZER.

WESTCHESTER AND FAIRFIELD HORTICULTURE SOCIETY.

The regular monthly meeting of the Westchester and Fairfield Horticulture Society was held February 10th with an attendance of 60 members, giving ample proof that the Society will flourish into a well-known horticulture society within a short time. Scott Bros., of Elmsford, N. Y., were awarded a certificate of merit for scarlet carnation William Eccles, a cross between Victory and Beacon; fully as large as Beacon, and much fuller in the center than Victory, rich glowing scarlet, with the perfume of the clove carnation. Scott Bros. are to be congratulated in securing this sterling novelty, which will easily out-class anything we have today in this special color. A. Bieschke, gardener to Wm. Ziegler, of Noroton, was also awarded a certificate of merit for *Oncidium splendidum*.

A vote of thanks was accorded to James Aitchison, gardener to M. J. Borg, of Stamford, who showed three plants of *Cineraria hybrida*, also a vote of thanks to James Stuart, gardener to Mrs. F. A. Constable, Mamaroneck, N. Y., for carnation May Day.

The next meeting will be Friday evening at 8 p. m., March 10th, in the Royal Arcanum Hall, Stamford, Conn.

MARTIN M. BENEDEK, Sec'y.
Mamaroneck, N. Y.

CLUB AND SOCIETY NOTES.

R. G. Salter, Geo. B. Hart, W. L. Keller and Chas. H. Vick have been appointed to represent the Rochester Florists' Association before the New York legislature in advocacy of the bill providing suitable greenhouses at Cornell for horticultural experiment and instruction.

Indications are for a very large and showy display of pot plants, forced spring bulbs, orchids, roses, carnations, sweet peas, etc., at the mid-winter show to be held in Horticultural Hall, Boston, on Friday, Saturday and Sunday, February 24, 25 and 26.



Group at the Annual Smoker, New Jersey Floricultural Society. Exhibits and Trophies in Foreground.



THE BRUNSWICK

Boylston St. and Copley Square

BOSTON'S MOST POPULAR HOTEL
FOR VISITORS TO THE NATIONAL
FLOWER SHOW

Located directly opposite the Institute of Technology, and within two blocks of Back Bay R.R. Stations. All cars to Mechanics Building (Exhibition Hall) pass the entrance.

EARLY RESERVATION OF ROOMS IS ADVISED
European and American Plan

HERBERT H. BARNES, Prop.

COPLEY SQUARE HOTEL

Huntington Avenue, Exeter and Blagden Streets
BOSTON, MASS.

Nearest hotel (only one block) to Flower Show. Rooms without bath \$1.50 per day up, with bath \$2.00 per day up. European plan. 350 rooms, 200 private baths.

AMOS H. WHIPPLE, Proprietor

CHICAGO NOTES.

The Wholesale District.

Removals are still the one topic throughout the wholesale market, but the hope of getting all the florists together on any one project is growing less each week. Several good propositions have been discussed at the meetings but have been lost because of delay in action. At this writing the J. A. Budlong Co. are still without a location though having several under consideration. The Chicago Carnation Co. has taken advantage of the option on rooms 201 and 222 which they secured when they took possession of their present small quarters on Jan. 1st. These rooms have a floor space of 1500 square feet and one half is for rent. Manager Pyfer says no sub leases have been made yet but he has several applications. The rooms are in the Atlas Block and are very light, facing on Wabash Ave.

A Disappointment.

The Chicago Florists' effort to reduce the high express rates met with disappointment when C. C. Kohlsaat, judge of the U. S. Federal District Court, decided that the State Board of Railway and Warehouse Commissioners did not have jurisdiction over express companies and that further legislation would be necessary to include them.

The Association of Commerce has taken the matter in hand and with the florists will try to do something more to secure lower rates.

Outdoor Conditions.

The park superintendents state that

the mild weather has started the soft wooded shrubs, but so far they are in no great danger. Prof. Cox of the U. S. weather bureau stated in Sunday's Tribune that there had been an unusual weather record made last week, there being but 3½ hours of sunshine.

Trade Items.

The Chicago Car. Co. has decided to make an exhibit at the coming show at Boston. They are also preparing to erect one or more new houses this spring.

T. C. Yarnall and George Peiser are trying to organize a stock company to open a commission house in the old Amling stand. No arrangements are completed so far.

Harry Rowe's store is nearing completion. Both sides of the front will be covered with mirrors, in front of which are white enameled shelves two feet wide for display. They are finished with brass rods. Two tall mirrors with gold frames have been placed farther back and the lighting completed, fountain in place and floors

laid. When completed it will be one of the most artistic places in the city.

The Chicago Carnation Co. last week received two orders for their new Washington carnation from England. They also shipped some to Germany. Though the stock of this beautiful sport of Enchantress is very large all orders are now taken that can be delivered before March 15th.

There is not much choice in blooming plants at present. Azaleas have become an all winter plant and a few at least are seen in all the retail stores. Cyclamens are nearing the end of their season and primroses have reached their zenith. Boston ferns are meeting with their usual favor and in the long stretch between now and Easter will play an important part.

A large wedding bell was made by A. Lang for the Plaza Hotel. It was 27 inches across, was covered with white lilac, lily of the valley and roses, and inside the bell was concealed a quantity of rose petals which were made to fall in a shower at just the

HOTEL WESTMINSTER

Copley Square, Boston.

C. A. GLEASON

The Thorndike Hotel

Boylston St., opp. Public Garden, Boston

Recognized as one of Boston's Best Hotels. Suited to the requirements of tourists — and the best class of Business men and their families.

Rates Per Day

Single Rooms \$1.50, \$2.00, \$2.50; with Bath \$2.00 to \$4.00
Double Rooms \$2.50 to \$4.00; with Bath \$3.50 to \$6.00
Parlor, Chamber and Bath \$6.00 to \$10.00

"Ye Old English Room"

Conspicuous for its cuisine and service. High class and same standard as the best New York restaurants.

**Visitors to the National Flower Show Should Book at the Thorndike,
Five Minutes From Mechanics Building**

right moment. A connecting wire running to an adjoining room opened the compartment when gently pulled.

Personal.

Miss Elsie Schnapp has returned to the Alpha after a few days wrestle with the grip.

E. C. Amling, with his family, is spending the winter months at Orange near Los Angeles.

H. S. Morton, who has been in the west for the past two years has returned greatly improved in health. He expects to leave for the south soon.

The best wishes of the trade are extended to Harry Garland of Des Plaines, Ill., and Miss Helen Yeager of Crete, Ill., who were married Feb. 18th. Harry is the son of Geo. M. Garland.

Theron V. Brown of A. Lang's leaves soon to go into business in the south. He will make a trip through the east and south and settle eventually in Florida where he will be associated with O. A. Oldfield of California.

Visitors—F. H. Henry of Henry & Lee, N. Y.; Alois Frey, Crown Point, Ind.; W. S. Coggin, Battle Creek, Mich.; T. C. Joy, Nashville, Tenn.; Fred Manke, Milwaukee, Wis.; C. E. Schaefer, La Crosse, Wis.; C. B. Knickman, of McHutchison & Co., N. Y.

NEWS NOTES.

Boonville, Mo.—On April 1st John A. Peyton becomes partner in the Boonville Nursery.

Eureka Springs, Ark.—C. I. Poor is planning to move his greenhouses to Prospect avenue opposite The Thach.

Chicago, Ill.—The Raske Floral Co. has leased the store at 177 Jackson Boulevard for five years from May 1st, 1911; rental, \$15,000 for the term.

DURING RECESS.

Bowling at New York.

New York won the match with Rutherford, Feb. 17th, at the New York alleys, and with it the five valuable knives presented by M. C. Ebel. The totals of the two games were: Rutherford, 669, 660; New York, 716, 721.

The return match will be bowled at Rutherford alleys, on the 1st of March. The best scores of the evening were as follows:

RUTHERFORD.		NEW YORK.	
Teller,	163 165	Rickards,	181 115
Richter,	125 118	Shaw,	118 131
Roehrs, J.,	124 103	Fenrich,	146 188
Clark,	178 152	Manda,	132 162
Roehrs, E.,	142 177	Chadwick,	225 182
Vermeulen,	105 130	Nugent,	108 162
Latham,	146 136	Ebel,	101 114

Chicago Bowlers.

The Chicago Florists' Bowling Club played according to schedule February 15th, and made the following score:

ROSES.		ORCHIDS.	
Craig,	130 149 157	Hueb'n'r,	178 147 147
W's'n, Jr.	63 89 80	Zeck,	153 131 148
Sweeney,	110 123 113	Graff,	164 140 159
Wolf,	181 155 147	Degnan,	168 153 179
Foster,	167 181 142	Farley,	169 148 189
CARNATIONS.		VIOLETS.	
Krauss,	146 159 144	L'b'm'n,	165 169 127
Ayers,	153 138 172	F'd'm'n,	211 165 188
Schultz,	144 167 153	Lorman,	133 174 194
Zeck,	145 193 155	Yarnall,	147 155 173

Cincinnati Bowlers.

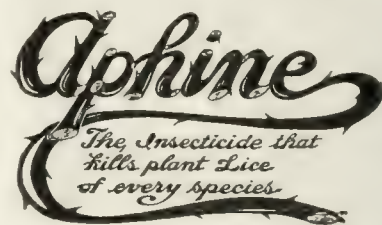
The following were the scores bowled Monday, February 20th:

Murphy,	166 188	Horning,	140 138
Heckman,	180 159	Fritz,	127 135
Witterst't'r,	108 157	Allen,	118 153
C. Hoffm's'r,	151 193	O. Hoffm's'r,	109 135

Ray Murphy won the box of Silka-

line offered by E. G. Gillett for the highest average score of the evening.

A meeting of the Yonkers Horticultural Society was held on Friday, the 17th inst. The dinner committee reported a balance to the good, and was discharged, being accorded a standing vote of thanks. L. Melliott was appointed a delegate to represent the Society, on a committee organized to push the legislation now under discussion, to establish a Horticultural Experimental Station for New York State.
H. M. B.



You may depend on it for positive results, without fear of failure or dissatisfaction.

\$2.50 PER GALLON; \$1.00 PER QT.

"FUNGINE"

An infallible remedy for mildew and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 PER GALLON; 75c. PER QT.
For sale by seedsmen.

Manufactured by

APHINE MANUFACTURING COMPANY
MADISON, N. J.

LADY HILLINGDON

A BEAUTIFUL YELLOW ROSE

That will make a name for itself either as an indoor or outdoor rose.

March Delivery
Own Root or Grafted Stock
\$7.50 per dozen
\$60.00 per 100

ROSE QUEEN, the pink you will eventually grow, \$35.00 per 100.

DOUBLE PINK KILLARNEY and MELODY, \$35.00 per 100.

RADIANCE and MRS. AARON WARD, \$15.00 per 100.

CARNATION WHITE HOUSE

The QUALITY White

Easily the largest white in cultivation, and considering its size, it is wonderfully free. Is absolutely a non-burster and has a clean, kind growth, without any faults. The production of this variety is limited to 50,000 cuttings; so, if you want it, give us your order at once.

PRINCESS CHARMING, splendid Enchantress-colored carnation; WASHINGTON, the Lawson-colored sport of Enchantress; CHRISTMAS CHEER and BONFIRE, scarlets; all above varieties, \$12.00 per 100, \$100.00 per 1000.

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We carry over 500 varieties, and have already some 100,000 young plants in 2 ½-inch pots ready for immediate distribution.

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CHAS. H. TOTTY, Madison, N. J.

Boddington's Quality Cannas

true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick.

CRIMSON SHADES.

	100	1000
Alphonse Bouvier, 5 ft....	\$1.75	\$15.00
Alice Roosevelt, 4 ft....	3.75	35.00
Black Prince, 3 to 4 ft....	2.50	22.50
Charles Henderson, 4 ft....	1.75	14.00
Crimson Bedder, 3 ft....	2.00	17.50
Duke of Marlborough, 4½ ft.	2.00	17.50
J. D. Eisele, 5 ft....	2.00	17.50
Explorateur Crampel, 5½ ft.	2.00	15.00
Express, 2 to 2½ ft....	3.75	35.00
Louisiana, 7 ft....	1.75	15.00
Pillar of Fire, 6 to 7 ft....	2.75	25.00
Pres. McKinley, 2½ to 3 ft....	1.75	16.00
Tarrytown, 3½ ft....	2.25	20.00

PINK SHADES

L. Patry, 4½ ft....	\$1.75	\$15.00
Louise, 4½ ft....	1.75	15.00
Mlle. Berat, 4½ ft....	1.75	15.00

ORANGE SHADES

Mrs. Kate Gray, 6 ft....	\$1.75	\$15.00
Pennsylvania, 5 ft....	2.00	15.00
Wyoming, 7 ft....	2.00	17.50

Our Cannas are packed 250 (of one variety) in a box; two can be "cleated" together and shipped as one. One box of 250 (one variety) sold at thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. 25 (one variety) at 100 rate.

RED, GOLD-EDGED

	100	1000
Mme. Crozy, 5½ ft....	\$2.25	\$20.00
Souv. d'Antoine Crozy, 4 ft....	2.75	25.00

YELLOW SHADES

Buttercup, 3½ ft....	\$2.50	\$22.50
Gladiator, 4 ft....	2.75	25.00
Florence Vaughan, 5 ft....	1.50	14.00
Newbury, 4 ft....	2.75	25.00
Queen Charlotte, 3½ ft....	2.75	25.00

WHITE SHADES

Alsace, 3½ ft....	\$1.75	\$15.00
-------------------	--------	---------

BRONZE-LEAVED

Black Beauty, 5 ft....	\$5.00	\$45.00
Brandywine, 4 to 5 ft....	2.25	20.00
David Harum, 3½ ft....	2.25	20.00
Egandale, 4 ft....	1.75	15.00
King Humbert, 4 ft....	2.75	25.00
Leonard Vaughan, 4½ ft....	2.75	25.00
Musafolia, 10 ft....	2.75	25.00
Robusta, 6 to 8 ft....	2.00	17.50
Shenandoah, 6 ft....	1.75	15.00

ORCHID-FLOWERING

Allemania, 4 to 5 ft....	\$1.75	\$15.00
Austria, 5 ft....	1.50	14.00
Indiana, 4½ ft....	1.75	15.00
Italia, 4½ ft....	1.75	15.00

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street, NEW YORK

All the above Cannas sold F. O. B. New York or Chicago.

WINTERSON'S SEED STORE, 45-47-49 Wabash Avenue, Chicago

Chicago and Western Agents for our Cannas.

Dreer's Seasonable Bulbs



Dreer's Select Gloxinia.

The Begonias and Gloxinias we handle are produced for us by a specialist of many years' experience. You can buy cheaper, but not better stock.

TUBEROUS BEGONIAS

Single in Separate Colors. Scarlet, Crimson, Rose, White, Yellow and Orange, 40c. per doz.; \$2.50 per 100; \$22.50 per 1000.
 Single in Choicest Mixture. 35c. per doz.; \$2.25 per 100; \$20.00 per 1000.
 Doubles in Separate Colors. Scarlet, Rose, White and Yellow, 60c. per doz.; \$4.50 per 100; \$40.00 per 1000.
 Doubles in Choicest Mixture. 50c. per doz.; \$4.00 per 100; \$35.00 per 1000.
 Frilled in Separate Colors. Scarlet, White, Pink and Yellow. These have wavy and frilled petals like some of the newer Petunias, \$1.00 per doz.; \$7.00 per 100; \$60.00 per 1000.
 Duke Zeppelin. Rich scarlet, 85c. per doz.; \$6.00 per 100.
 Frau Helene Harms. New yellow, \$2.00 per d. z.
 Lafayette. Crimson-scarlet, \$1.50 per doz.; \$10.00 per 100.

GLOXINIAS

Choicest Mixture, or in Separate Colors, as Blue, Red, White, Red with white edge, and Blue with white edge, 60c. per doz.; \$3.50 per 100; \$30.00 per 1000.

FANCY LEAVED CALADIUMS

We have the largest stock in the world. Over 400 varieties, including not only all the good standard sorts but many new varieties never offered in quantity before. This is one of the most valuable plants for decoration of the florists' store window during the summer months and during recent years we have sold many thousands for this purpose. We especially recommend the choice rare and new varieties at \$15.00 per 100 for this purpose.

We offer special selections according to variety as follows:
 Choice Standard Varieties. The finest collection ever offered at the price, \$1.75 per doz.; \$12.00 per 100; \$100.00 per 1000.
 Choice Rare and New Varieties. A splendid assortment, especially valuable for the retail florist, \$2.25 per doz.; \$15.00 per 100; \$140.00 per 1000.
 Rare New Varieties. The most recent introductions, \$3.50 per doz.; \$25.00 per 100.

Gladiolus, Tuberoses, Ismene, Montbretias, Tigridias and other Summer Flowering Bulbs are offered in our QUARTERLY WHOLESALE LIST, and also a full list of Seasonable Plants, Seeds, etc. Write for it if you have not already received a copy.

THE ABOVE PRICES FOR THE TRADE ONLY.

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HARDY RHODODENDRONS

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Write for Prices on what you wish to import for the coming season.

JOHN WATERER & SON, Ltd. American Nursery
Bagshot, England.

NEWS NOTES.

Middleport, N. Y.—Burton Smith has purchased the greenhouses of the White Bros. at Hartland.

Brookville, Mass.—The land and greenhouses owned by Frank Swasey has been purchased by P. O. Burnham.

Brodhead, Wis.—M. C. Silver has purchased a greenhouse and land for nursery business in the southwestern part of the city.

Chicago, Ill.—An acetylene gas plant for lighting the greenhouses and residence at their Des Plaines establishment is being installed by Hoerber Bros.

Herington, Kan.—The Herington Greenhouse, Mrs. Rissman, proprietor, has been purchased by Wm. Gordon of Topeka, who intends to conduct a nursery on a tract of land which he has just purchased near the building.

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1911 CATALOGUE

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and other **EVERGREENS** for **Tubs** and **Boxes**
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THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

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Whole Field Clumps—At \$5.00 per 100 and up, 10 0 in to distinct kinds either Show, Decorative, or Cactus our selection 0 kinds for \$30.00 cash.

CANNA ROOTS

Strong Division,—At \$2.00 per 100, \$12.00 per 1000 and up. *Send for List.*

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White Marsh, Md.

IMPORTED DENDROBIIUMS

We are now receiving our usual importations of Dendrobiums, and can offer the following in excellent value. Many of these plants with early cultivation and careful storing can be had in flower at periods extending from Xmas on the one hand to the end of May on the other.

Dendrobium Wardianum Lowianum—The true large-flowering type.

Crassinode—Specially fine plants of this lovely and distinct variety. Very useful for basket work.

Nobile—From district where specially fine forms have been received.

Dalhousianum—This noble species has seldom been imported in such condition.

Jamesianum—Pearly white large-flowering variety, lasting long in flower.

Chrysotoxum, Fimbriatum, Clavatum—Three of the most lovely free flowering yellow varieties.

Devonianum—Very free and beautiful fringed-lip variety, delicately scented.

Catalogue and prices on application

Stuart Low & Co. Royal Nurseries
Bush Hill Park nr. **London, England**

Telegraphic Address "Orchids, Enfield."

Telephone Numbers, 1 and 2, Enfield

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayli, Wimssetti, Adiantoides, Aspidium Tauusimense, Crytomium falcatum, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CINERARIA HYBRIDA

Remember this is the
BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper
of Pot Plants,

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PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

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Perkins Street Nurseries. Rosindale, — Boston, Mass.
Price list on application.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.
Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
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ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

FERNS FOR DISHES

Assorted varieties,

2 in. pots, \$3.50 100; \$30.00 1000.

Cash with order.

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1911 Quincy St., — CHICAGO, ILL.

BOSTON FERNS, 2½ inch \$30.00 per 1000.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

TRITOMA PFITZERI RED HOT POKER

The best poker for cut flowers.

	Per 100	Per 1000
Divisions, single crowns	\$4.00	\$30.00
Double and Triple	6.00	50.00
Clumps	8.00	70.00

THOMAS J. OBERLIN, Sinking Spring, Pa.

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N. J.

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Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

Roehrs Quality

In Palms, Pandanus, Azaleas, Ferns, Orchids, Camellias, Lorraines and the endless variety of **Flowering or Foliage Plants** for Commercial Use or Conservatory Decoration. Quality is our **First Consideration**. And you can get it every day in the year.

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RUTHERFORD, N. J.

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Sassenheim, Holland

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We are the largest growers of Bulbs, Spireas and Dahlias in Holland. Originators of the Spirea Gladstone and Queen Alexandria.

Specialties

GOLDEN SPUR NARCISSI, SPIREAS, HYACINTHS, TULIPS, DAFFODILS, GLADOLI, DAHLIAS

Write for our complete Catalogues on Bulbs and Dahlias, now ready

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OREGON GROWN ASTER SEED

Yamhill Co., Oregon, is the natural home of the Aster and any one desiring seed OF HIGH-GRADE COMMERCIAL QUALITY

will do well to try our seed for 1911. Ask for our new descriptive booklet.

CREGO ASTER SEED, pink, shell pink, white or purple Tr. Pkt., 25c; 4 Pkts., 75c; Oz., \$4.00
VICK'S ROCHESTER, lavender pink Tr. Pkt., 25c; 4 Pkts., 75c; Oz., 4.00
LADY ROOSEVELT, bright pink Tr. Pkt., 20c; 4 Pkts., 60c; Oz., 3.00
 Special prices to seedsmen. Contracts taken for 1911.

HERBERT & FLEISHAUER, Aster Specialist, McMinnville, Oregon

PERSONAL.

Gust Taepke of Detroit is laid up with a serious attack of erysipelas.

George Tromey of Cincinnati, O., left Tuesday, Feb. 21, for New Orleans to take in the Mardi Gras carnival.

Frank Sonnenberg of the Hyde Park Rose Co., Cincinnati, and Miss Marion Layton were married, Wednesday, Feb. 22.

Charles Fick, for many years a market gardener at San Mateo, Cal., has taken a position as head gardener to Captain Kohl, Hillsborough, Cal.

H. F. de Thestrup has taken the position as grower at the carnation houses of F. P. Putnam, North Tewksbury, Mass. He will assume charge on March 1.

Wm. McKay, head gardener at "Seaverge," Commodore E. T. Gerry's estate, Newport, R. I., has resigned his position and will give up his duties March 1st.

Robt. Fulton, representing Henry & Lee Co., of N. Y., was taken ill while on his way from Yokohama and was obliged to stop at the Warner Hot Springs in California.

"Barrett the Bee King" has started out from his home in Hyde Park on a lecturing tour, Philadelphia and southward and Canada, on the topic of plants, flowers and bees.

Cincinnati visitors—J. T. Herdegen, Aurora, Ind.; Wm. Lodder, Hamilton,

O.; Simon J. Hider, Hillsboro, Ohio; Jos. R. Goldman, Middletown.

Boston visitors—Maurice Fuld, Philadelphia, Pa.; Mr. Peterson, Cincinnati, O.; Winfried Rolker, New York.

New York visitor—P. Welch, Boston.

NEWS NOTES.

Pittsfield, Mass.—The greenhouses and gardens connected with Miss Hall's School on Holmes road have been leased by Rudolph Mauersberger and they will be conducted as a commercial plant.

Bettendorf, Iowa—J. W. Davis is to erect greenhouses in the suburbs of Bettendorf for the purpose of raising cucumbers, tomatoes and ferns, providing that the Bettendorf Booster Club can dispose of \$35,000 worth of 7 per cent bonds.

New Westminster, B. C.—The Surrey Nurseries have been sold to a syndicate for \$52,000 and it is probable that the \$20,000 worth of nursery stock on the plant will be transferred to Chilliwack as negotiations are being made for purchase of land near that city.

Chase Bros. Co., of Rochester have been sustained by the Board of Appraisers in their protest against the assessment of duty on a shipment of evergreens as "nursery stock." They come in free as "evergreen seedlings."

¶ You have heard about the idle rich—well, in the writer's opinion the rich are the busiest people on earth. Of course, as to what some of them are doing, the less said the better, but don't put them all in the same class until you know what the facts are. Some of the rich are doing better work than the poor because they think. One of the hardest things to do is to make people think—to reason out a point and consider matters.

¶ If the buyers of lily bulbs knew all the circumstances connected with the direct importation of the Horseshoe Brand bulbs, they would buy no other brand. There are no lily bulbs produced which will flower 100% every year, Horseshoe Brand bulbs will average higher in the course of time than any other brand marketed. There are reasons why and good ones—ask us.

Send for Catalog.



Ralph M. Ward & Co.

**12 West Broadway
NEW YORK CITY**

Not How Cheap
But How Good

Cold Storage Giganteum on hand ready for delivery now or any time during 1911.

Seed Trade

Where Seeds Come From.

"Where Seeds Come From," was the subject of an unusually valuable lecture by John K. M. L. Farquhar in Horticultural Hall, Boston, last Saturday, with lantern slides.

Mr. Farquhar said, in beginning, that the United States is entirely dependent on foreign countries for its supply of flower seeds, and largely so for its better varieties of garden seeds and also for agricultural seeds. The supply of seeds from Germany alone aggregates from eight to ten tons. Numerous forage seeds are also imported each year to supply the needs of farmers. Of vegetable seeds this country is now producing in northern New York and Michigan, nearly all the garden peas required. A generation ago these, too, were imported. California produces practically all the lettuce seeds needed and California growers are now supplying large quantities for export to France and Great Britain. Lima beans and onion seeds for the most part come from the Pacific Coast, while vine seeds such as squash, cucumbers and melons, are now largely grown in Colorado and northern New York. The best sweet corn is produced in Connecticut and large supplies come from the West.

The speaker proceeded to tell about the famous places in Europe where seed growing has been carried on for generations. In the south of France entire families engage in the work which their ancestors were brought there to do by the Romans, who gave them grants of land that they might raise choice vegetables and herbs for their tables. On these farmers this country depends largely for the finest egg plant, peppers, various salad seeds and herbs. The growing of zinnias, asters, gilliflowers and others has recently been taken up by these French people with success.

Perhaps the most painstaking seed-growers, said the speaker, are those of Germany. The growth of seeds on a large basis was first established at Erfurt. Up to the time of Napoleon's campaigns the fields had been devoted to vine culture and the wines were justly celebrated. The business has now spread to the Hartz Mountains, including the town of Quedlenberg, where one of the large seed farms covers an area of nine thousand acres.

Mr. Farquhar showed slides giving an excellent idea of the methods employed in growing forage grasses. In closing he said that it will be many a generation before the United States is able to produce anything like the amount of seeds required for its farms, gardens and pleasure grounds, to say nothing of those required for planting under glass.

Onion-Seed Industry in the Canaries.
(From Vice-Consul Ross J. Hazeltine, Tenerife.)

The exports of onion seed from the Canary Islands to the United States during the year 1910 declined approximately 35 per cent. as compared with the quality exported in 1909.

The exportation of onion seed from the Canary Islands to the United States began about 15 years ago, when a trial shipment of 30 pounds was con-

EXTRAORDINARY NOVELTY

The First Ruffled Gladioli

GLADIOLUS KUNDERDI "GLORY"

Wavy, ruffled petals give the flower the appearance of an Orchid. Color, creamy pink.
Each 20c; Doz. \$2.00; 100 \$15.00

Write for Special Circular.

HENRY F. MICHELL CO.

518 Market St.

Phila., Pa.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

ONION SEED—ONION SETS

We are extensive growers and dealers. Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE, OHIO

signed to a Philadelphia seed dealer. Since then the exports have steadily increased, and with the decline of the drawn-work industry the trade in onion seed has become the most valuable item of export from these islands to the United States. Practically the entire crop is sold to the agriculturists and seed dealers in the southwestern part of the United States.

The year 1909 was the banner year as regards the quantity exported. The prevailing prices, however, were slightly lower than those of the preceding and present years. The American importers purchased larger quantities than they could dispose of, with the result that the opening of the present

ISELL'S SEEDS

Our Michigan Grown Seeds are winning their way into public favor with astonishing rapidity. Here under our own supervision, we grow all our Beans and Peas, Cucumbers, Muskmelons, Tomatoes, Radish, Sweet Corn, besides many other things of less importance. Don't you think we can honestly claim to know the seeds we sell? We invite you to Try our Seeds and Methods just once and it will not be long until you have formed the habit of using Isbell's Seeds.

Send for our Elegant 104 page Seed Annual and also Wholesale Gardeners' List. FREE.

S. M. ISELL & CO., Box 841, JACKSON, N. MICH.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

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Recleaned Red Clover Seed

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WHOLESALE SEED MERCHANTS
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Founded 1818



BEGONIAS GLOXINIAS
in separate colors

Asters in all varieties and
in separate colors

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W. KINZIE STREET CHICAGO

GERBERA

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An Improved Form of the beautiful Scarlet Barberton Daisy, originating with A. Jaeneke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.

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Special Forcing Grade, \$12.00 per 1000 in cases of 2000 pips; also all other flower seeds and bulbs for florists and gardeners.

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We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

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82 Dey Street,
Orange, Conn. New York City.

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

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Seed Merchants and Growers. 114 Chambers St., N. Y. City

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
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FLOWER SEEDS

For Present Sowing
List ready; mailed free on application.

The W. W. Barnard Co.
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FUCHSIAS

LITTLE BEAUTY
LORD BYRON
TENNER
E. RENAN
WHITE BEAUTY.
Strong 2 1/2-in. pots
\$4.00 per 100
SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Established 1820

Thorburn's Seeds

For Florists and Market Gardeners.

All highest grade.

Catalogue mailed on application.

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W. N. Scarff. C. C. Vale.

MIAMI VALLEY SEED CO.
NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

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CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulae,
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BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

season—July and August—found them with considerable quantities of old seed on hand. Consequently, contract orders for this season's crop were canceled and the export figures show a remarkable decrease. The exports for the coming year should show an increase unless the reputation of the Canary onion seed has been injured in the United States by the mixture of old and new seed.

The quality of the Canary onion seed is unexcelled and the exporters maintain a high percentage of germination which is usually guaranteed. In order to protect the planter in the United States, as well as the reputation of seed, it has been suggested that the local exporters inclose in or stamp on the case a written guaranty or statement as to the age of the seed contained therein, together with a certified statement as to the percentage of germination ascertained by actual test where this is possible. This course has been considered advisable for protecting the industry, owing to the fact that onion seed one year old shows only a small percentage of fertility.

The chief varieties exported from Teneriffe are known as the Red Bermuda, White Bermuda, Crystal White Wax, and a few special varieties bearing the name of the exporter. The onions grown from these seeds in the United States are known in the market as large Bermudas. The average price of the seed per pound varies between 75 cents and \$1 f. o. b. Teneriffe. [The names of the principal growers and exporters are filed at the Bureau of Manufactures.]

Seeds for All.

One tidy little item which the Clerk of the House of Representatives dished out the other day, in the course of the consideration of the agricultural appropriation bill, was \$237,160 for the annual seed grant. Just to convey an accurate notion of how this handsome sum is to roll out of the United States Treasury, we quote this language from the bill verbatim:

"For purchase, propagation, testing and distribution of valuable seeds, bulbs, trees, shrubs, vines, cuttings and plants; all necessary office fixtures and supplies, fuel, transportation, paper, twine, gum, postal cards, gas, electric current, official traveling expenses and all necessary material and repairs for putting up and distributing the same; for rent and repairs and the employment of local and special agents, clerks, assistants and other labor required, in the city of Washington and elsewhere, \$289,680, of which amount not less than \$237,160 shall be allotted for Congressional distribution."

Of course the item went through with a rush, the few faint voices of protest being drowned in the happy yells of delight from the cheerful distributors. The Hon. Michael E. Driscoll of Syracuse, the great monument expert of Congress, was one of those who spoke loudest for this governmental bounty, and he incidentally saw fit to clutter up the Congressional Record with a page of letters from his grateful city constituents who had grown radishes, nasturtiums, morning glories and lettuce at the expense of Uncle Sam. A fine thing to encourage urban interest in out of doors, he declared. But why the national Government should hand out seeds any more than it should hand out ploughs or skates or alpenstocks he failed to indicate.

As a last typical word upon the subject the Hon. Ezekiel Samuel Candler, Jr., of Corinth, Miss., thus declaimed in defence of the much criticised quality of the governmental seeds and of the whole system:

"No longer ago than this morning I had a letter from a splendid, good lady in my district, who said that the seed she received last year was the best she ever had, and wanted more, which I gladly sent her. Nothing gives me greater pleasure than to respond to the many requests I receive from my district for the seed which is sent out

on my request by the Government. Many letters I receive express thanks for the seed and I am glad to respond to the wishes of my constituents. I want to represent my people, and if I do so I shall be glad and happy. I intend to represent fully their views and shall do so in every instance." (Loud applause.)

We close with the remark that the \$237,160 does not represent the total cost by a long shot. All the several packages must be shipped to the splendid, good constituents of Syracuse, Corinth and elsewhere by the poor groaning Post Office Department under the indefatigable Congressional frank. As for the crop of Congressmen raised from these seeds, we simply observe that they are just about what might be expected.

—New York Sun.

A Popular Seed Representative.

William C. Langbridge first saw the light of day some time during the year of 1860 on the island of Jamaica, West Indies, and as the climate later was found not suited to his state of health, he, together with his father and younger brother emigrated to New York. Mr. Langbridge was eleven years old when he came to New York and a few years after his arrival there became a member of the Shaker Community



WILLIAM C. LANGBRIDGE

founded at Mt. Lebanon, N. Y., where he remained until 1888, filling many positions of trust. During the last four or five years of his career among the Shakers he was sole manager and the traveler for what was then known as the Shaker Seed Company, and besides had complete charge of the seed gardens and trial grounds carried on by that concern. It was here that Mr. Langbridge gained his first knowledge of the seed business and on leaving the Shaker Community associated himself with the Jerome B. Rice Seed Company of Cambridge, New York, and for whom he is now the leading traveler. There is no one in the seed trade more popular than Mr. Langbridge and as a salesman it is hard to find his equal.

HOWARD M. EARL.

Twenty years ago, when W. C. Langbridge first called on me, trying to sell a bill of goods, I thought he was a curly-headed, red-haired youngster—like the thousands that loom up and disappear—and that that was the end of it. I never thought to see him again. But lo, and behold if here he

wasn't back again—next year—and the year after. And so it kept on, until even a hardened cynic like myself had finally to sit up and take notice. Of course, during all this time he had a good house behind him. Our beloved old invalid, Jerome B. Rice, had brains enough to recognize brawn wedded to brains in W. C. Langbridge long before W. C. L. or anybody else recognized it. Today, however, there are few in the seed business who are better known the country over or who have cut a larger figure in the seed trade of America during the past twenty years than W. C. Langbridge.

GEORGE C. WATSON.

Notes.

Cairo, Ga.—Mauldin Bros. are planning to go into the wholesale and retail seed business.

Des Moines, Iowa.—The Des Moines Seed Co., 409-411 East 5th street have opened a cut flower department in charge of Mrs. Anna Sherman.

CATALOGUES RECEIVED.

Frederick Roemer, Quedlinburg, Germany.—Wholesale Catalogue of Choice German Flower Seeds.

Barteldes Seed Co., Denver, Colo.—Selected Western Seeds, 1911. A comprehensive list of the spring offerings of this well known house. Covers attractive in colors.

George H. Mellen Co., Springfield, O.—General Seed and Plant Catalogue, lavishly illustrated. Killarney and Flower of Fairfield roses, oriental poppy and dahlias all in colors, adorn the four cover pages.

Wm. Toole & Sons, Baraboo, Wis.—Pansies and How to Grow Them. Besides some very complete cultural notes on pansies, this catalogue contains also a general list of flower seeds and plants.

James Smalley & Co., McPherson, Kan.—Garden and Field Seed Annual. Don't remember having seen this annual before but de-lighted to put it on our list and compliment Kansas on its up-to-date appearance.

W. W. Johnson & Son, Boston, England.—Wholesale Trade Catalogue of Vegetable and Flower Seeds for 1911.—This is a trade list of more than ordinary merit, finely illustrated and including a large number of novelties.

Dobbie & Co., Edinburgh, Scotland.—General Catalogue of Vegetable and Flower Seeds, Bulbs and Plants. This 224-page book contains many valuable lists and presents in an effective manner many promising new introductions.

Griffith & Turner Co., Baltimore, Md.—Catalogue No. 24 of Farm and Garden Supplies. 170 pages, in which the list of implements and supplies occupies a large space and includes about every tool and appliance used in garden or farm work, fully illustrated.

PLANT TONIC WONDERFUL DISCOVERY!
Odorless chemical fertilizer, furnishing complete nourishment to plants. Produces marvelous growth, rich and abundant blossoms. For use in Home, Show-windows, Garden and Greenhouse. Sent postpaid on receipt of 10c. for 1 gal. powder; 25c. for 3 gal.; 50c. for 7 gal.
CHEMICAL FERTILIZER CO.
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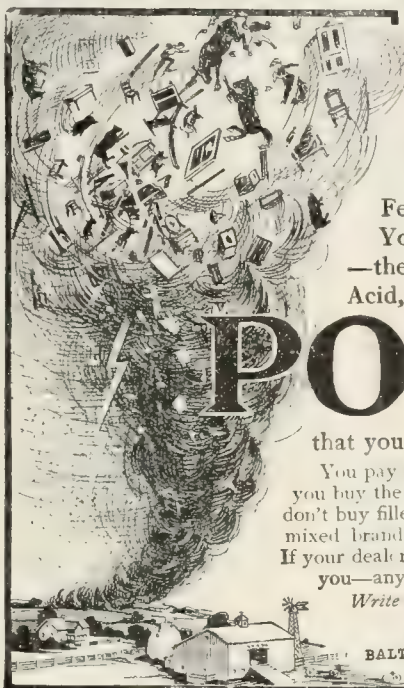
Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
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Acid, Nitrogen and

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that your land and crops need.

You pay less per unit of available plant food when
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don't buy filler or pay freight on it in your own home-
mixed brand. You save from \$5 to \$7 per ton.
If your dealer doesn't keep Potash salts, we can supply
you—any amount from 200 lbs. (one bag) up.

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Black ones too*

are easy to kill with **The Fumigating Kind**
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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting
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NIKOTEEN The most effective and
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there is for spraying plants and blooms.
NIKOTEEN Skillfully extracted from
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fully refined, it is clean and easy to apply.
NIKOTEEN Does the work when
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Full Pint Bottles, \$1.50.

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Specially prepared for fumigating closed
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Price \$6.50 per case of 12 paraphrased
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DEMING SPRAYERS
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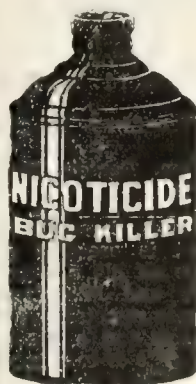
Will positively destroy SAN JOSE SCALE and all
soft bodied sucking insects without injury to the
tree. Simple, more effective and cheaper than
Lime Sulphur. Not an experiment. One gallon
makes 16 to 20 gallons spray by simply adding water.
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Fertilizer, tonic, moisture and everything
necessary for bulbs, seeds, plants, lawns
and especially your fruit trees, young and
old. Nature's grower, not forcer.

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The best of all manures for the
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rough manure.

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Absolutely the best Sheep Manure
on the market. Pure manure and nothing
else. The best fertilizer for carnations and for
liquid top-dressing. Unequalled for all field use.
Write for circulars and prices.

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Of Interest to Retail Florists

TO ELIMINATE "CREPE PULLING."

The Retail Florists' Association of St. Louis are at work to eliminate the "crepe puller" and will at their next meeting, Monday, March 6th, draw up a bill to be introduced in the city council, reading about as follows:

It shall be unlawful for any person without permission of the owner or occupant of private premises, used for a residence, to enter said premises or to ring the doorbell of any house, building, or other structure, situated thereon, for the purpose of begging or soliciting the sale or purchase of any article or thing whatsoever, or attempting to transact any business whatsoever, of whatever nature or description. Any one violating any of these provisions of this ordinance shall be deemed guilty of misdemeanor, and, upon conviction, shall

STEAMER DEPARTURES	
American.	
Philadelp'a. N. Y.-S'hampton.	Feb. 25
Oceanic, N. Y.-S'hampton.	Mar. 4
Anchor.	
Columbia, N. Y.-Glasgow.	Feb. 25
Caledonia, N. Y.-Glasgow.	Mar. 4
Atlantic Transport.	
Minnehaha, N. Y.-London.	Feb. 25
Minnetonka, N. Y.-London.	Mar. 4
Cunard.	
Lusitania, N. Y.-Liverpool.	Mar. 1
French.	
La Bretagne, N. Y.-Havre.	Mar. 2
Hamburg American.	
Amerika, N. Y.-Hamburg.	Feb. 25
Pres. Grant, N. Y.-Hamburg.	Mar. 4
Holland-American.	
Noordam, N. Y.-Rotterdam.	Feb. 28
Statendam, N. Y.-Rotterdam.	Mar. 7
North German Lloyd.	
G. Washington, N. Y.-Br'm'n.	Feb. 25
F. Der Grosse, N. Y.-Medit'n.	Feb. 25
Prinzess Irene, N. Y.-Medit'n.	Mar. 4
P. F. Wilhelm, N. Y.-Bremen.	Mar. 7
Red Star.	
Lapland, N. Y.-Antwerp.	Feb. 25
Vaderland, N. Y.-Antwerp.	Mar. 4
White Star.	
Baltic, N. Y.-Liverpool.	Feb. 25
Philadelp'a. N. Y.-S'hampton.	Feb. 25
Zeeland, Boston-Liverpool.	Feb. 28
Oceanic, N. Y.-S'hampton.	Mar. 4

be fined for each offence not less than \$5 nor more than \$100.

With the assistance of the St. Louis Florist Club they hope to free the city from the practice. President Sanders of the Association and President Cannon of the Florist Club hoped for a large attendance at the next meetings when this matter comes up for action. The Florist Club meets Thursday afternoon, March 9th.

NEW FLOWER STORES.

Topeka, Kan.—J. L. Fisher.
Medina, N. Y.—White Bros.
Norwalk, Conn.—Howard V. Worden.
Buffalo, N. Y.—Broadway Flower Shop.
Wooster, Ohio—Wm. Penick, Market and South streets.

Detroit.—Harry Smith, formerly of Grosse Point, Mich., is erecting an office and greenhouse on his five-acre lot near Greenlawn and Woodlawn cemeteries. Both these cemeteries are being used very much and a greenhouse plant at their gate is in a most fortunate location.

ALEX. McCONNELL

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THE FOLLOWING ARE A FEW SUGGESTIONS ONLY

from an immense stock and unprecedented variety that we list

Plant Baskets, Plant Pot Covers, Fern Pot Covers. all sizes and all grades, all descriptions. In any basket ordered from us we can put zinc lining, as we manufacture these ourselves.

Bridal Baskets, Bridal Bouquet Holders, Debutante Bouquet Holders and Paper Bouquet Holders.

Chiffons, all colors and sizes. Waterproof and other exclusive styles. **Wax and Artificial Flowers. Waterproof Paper Pot Covers,** for all size pots, cheap and desirable, in any color. Our No. 3000 Crepe Pot Covers, to fit 3 to 5-inch pot, in all colors, \$1.00 per 100. **Waterproof Crepe Paper in Roll.**

Tin Foil, plain and colored; also a heavy Tin Foil for lining baskets. **Barks,** in all kinds, Birch, Cork and Cedar. **Natural Prepared Ferns,** the greatest variety in the United States. **Sphagnum Moss.**

Artificial Leaves, all styles, white and green. **Metallic Designs,** we are the manufacturers of these goods and can make any design you want. **Magnolia Leaves,** green and brown. **Beech Branches,** prepared, in all colors. **Immortelles,** in all colors.

Wheat Sheaves, our unexcelled brand in flat, standing or open. **Flexible Cycas Leaves.** Don't forget our **Imperial Chinaware,** and **Green Tone Pottery,** in all shapes. When you want real novelties, consult us.

BEAUTIFUL EASTER NOVELTIES NOW ARRIVING

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

253 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

Peoria, Ill.—The Art Florist Stand at the Fey Hotel has been purchased by Fred Nickel, Jr.

ST. LOUIS NOTES.

Mr. Joe Rolker, of August Rolker & Sons, New York, spent a few days here last week with the growers, interesting them in the importation of plants and bulbs.

Mrs. John Steidel, president of the Ladies' Home Circle gave the members a rare treat at the meeting on Monday, Feb. 13th, in the shape of a fine spread which was much enjoyed. The meeting was interesting and the attendance large.

Many friends in the trade at large will be surprised to learn that J. F. Ammann is about to dispose of his greenhouse plant at Edwardsville, Ill., and retire from business. It is stated that Mr. Ammann has had a good offer for his plant and that he would accept it and retire. The names of the parties making the offer have as yet not been announced.

It was estimated by one of the leading growers of Kirkwood that on Monday and Tuesday of the last week the combined growers in Kirkwood sent over 500,000 California violets to this market. The bulk of these consignments were handled by the W. C. Smith Wholesale Floral Co. Retailers say that Valentine's Day business was far ahead of any past year's and is coming along as one of the best holidays in the year for the florist.

INCORPORATED.

New Orleans, La.—The Paper Shell Pecan Nurseries, capital stock \$5,000. F. K. Hopkins, president; Rev. E. M. Stewart, vice-president; and W. M. Ellison, secretary and treasurer.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullen, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.
Seattle, Wash.—Hollywood Gardens, 1932 Second Ave.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Owosso, Mich.—Because Herman Thiemann and W. Stewart Beebe, proprietors of the Owosso Floral Co., which has been doing a prosperous business here for over a year, cannot agree on the way the business should be run and on other matters, Thiemann has petitioned Judge Miner to appoint a receiver for the business. L. A. Sanderhoff has been named and took charge of the company's affairs. The company is fully solvent and the receivership is due entirely to disagreement between the partners.

ACACIA PUBESCENS

\$2.50 per bunch

Liberal size bunches. The choicest novelty in yellow at this time of the year.

BUSINESS HOURS, 7 A. M. to 8 P. M.

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO.

MANUFACTURERS

PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St, Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO		WIN CITIES		PHILA.		BOSTON	
	Feb. 21		Feb. 21		Feb. 21		Feb. 23	
Am. Beauty, Fancy and Special...	40.00	to 50.00	40.00	to 50.00	60.00	to 75.00	50.00	to 75.00
" Extra.....	30.00	to 40.00	10.00	to 40.00	42.00	to 50.00	30.00	to 40.00
" No. 1.....	20.00	to 30.00	15.00	to 30.00	30.00	to 40.00	15.00	to 25.00
" Lower grades.....	8.00	to 15.00	4.00	to 15.00	.....	to 25.00	6.00	to 8.00
Bride, 'Maid, F. & S.....	8.00	to 10.00	6.00	to 8.00	10.00	to 12.00	8.00	to 12.00
" Lower grades.....	4.00	to 6.00	4.00	to 6.00	6.00	to 8.00	4.00	to 6.00
Richmond Chateauf, Fancy & Special	10.00	to 12.00	8.00	to 10.00	15.00	to 20.00	15.00	to 25.00
" Lower grades.....	4.00	to 8.00	6.00	to 8.00	6.00	to 10.00	4.00	to 10.00
Killarney, My Maryland, Fan. & Spl.	10.00	to 12.00	10.00	to 15.00	12.00	to 14.00	10.00	to 16.00
" Low grades.....	5.00	to 8.00	6.00	to 10.00	8.00	to 10.00	4.00	to 8.00
CARNATIONS, First Quality...	3.00	to 4.00	3.00	to 4.50	4.00	to 5.00	3.00	to 4.00
" Ordinary.....	2.00	to 3.00	2.00	to 3.00	.....	to 3.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	60.00	to 75.00	40.00	to 50.00	30.00	to 40.00
Cypripediums.....	15.00	to 20.00	15.00	to 20.00	.....	to 20.00	.....	to 20.00
Lilac, Longiflorum.....	12.00	to 15.00	12.50	to 15.00	5.00	to 17.00	8.00	to 10.00
Lily of the valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Mignonette.....	3.00	to 6.00	4.00	to 7.00	.....	to 5.00	2.00	to 8.00
Lilac, per bunch.....	.....	to 7.00	7.00	to 1.25	1.00	to 1.00	.....	to 1.00
Tulips.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Roman Hyacinths, Paper Whites ..	2.00	to 3.00	2.50	to 3.50	.....	to 4.00	1.00	to 1.50
Daff. diss.....	2.00	to 4.00	3.00	to 4.00	.....	to 4.00	1.00	to 2.00
Daisies.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Snopdragon.....	.....	to 1.00	.....	to 1.00	15.00	to 17.00	6.00	to 8.00
Sweet Peas.....	1.75	to 1.00	1.00	to 1.25	1.00	to 1.00	50	to 1.00
Gardenias.....	40.00	to 50.00	20.00	to 30.00	25.00	to 50.00	25.00	to 35.00
Adiantum.....	.....	to 1.00	.....	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 15.00	15.00	to 20.00	15.00	to 20.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	50.00	to 75.00	50.00	to 75.00	.....	to 50.00
" " & Siren (each bunch)	25.00	to 40.00	25.00	to 35.00	40.00	to 50.00	.....	to 50.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

J.A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and
Carnations
A Specialty.....

WHOLESALE
GROWER of

CUT FLOWERS

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD,
CHICAGO, ILL. FRESH STOCK

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty

Flower Market Reports

BOSTON Trade has been satisfactory of late, but values are tending downward on many staples and with brighter skies and resultant crop increases lower prices are undoubtedly on the way. The famine cannot be said to exist any longer even on roses, although there have been none too many good roses and no surplus of white carnations up to the present moment. Roses are good in quality and there is a noticeable increase in number received. This is also the fact as to carnations, the colored varieties suffering most in the accumulation that is now beginning. Sweet peas are in heavy supply. Yellow narcissi are much too abundant, selling at prices that will not reimburse the growers. Lily of the valley is also stagnant. Tulips sell moderately well, especially La Reine, well colored. There is a good supply of lilies and enough gardenias and cattleyas for the present demand. Violets are good generally and selling a trifle better than they were.

BUFFALO For a week past stock has been on the short side, especially in white material. As for spring material there is enough for all; in fact, it is too plentiful at times, especially in the daffodil line. Lilies have had a good call, also lily of the valley, peas, violets, mignonette, daisies and poet's narcissus. In the rose line the shortage is in the short grades. Killarney, both pink and white, are fine, also Maryland, Richmond, Bride and Bridesmaid—Killarney and Richmond being in preference. Valentine's Day, also Washington's Birthday, helped the demand for both cut blooms and plants. Together with regular floral work, the trade has had a busy week.

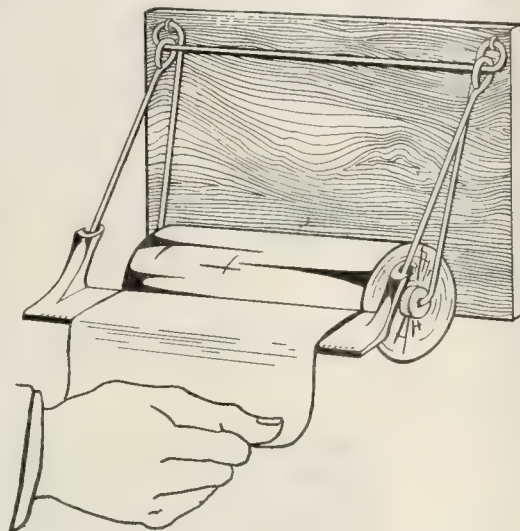
CHICAGO With three and one-half hours of sunshine stock did not advance much in quality during the past week. Some of the largest growers with an average daily cut of carnations numbering into the thousands have everything taken by advance orders and anything out of the ordinary in size causes a quick skirmish. With roses, the situation is about the same. Quality suffers some with the continued dark days and medium Beauties are among the worst. Bulb stock is coming up from the south and is more welcome than in former years. Sweet peas are too numerous and the poorer ones are left over. Window boxes of tulips of various colors are very attractively arranged in the downtown windows. Some very attractive novelties in the shape of fancy baskets were offered for February 22nd, accompanied by a tiny hatchet and flag. One window had heart-shaped violet colored baskets filled with violets and tied with ribbon to match. Frequently windows show bouquets and baskets made of artificial flowers; the florist thereby gives his customers a hint which he lives to regret. Nor is this confined to the small stores. Shamrock seems likely to be good both in demand and supply and the little plants in thumb pots will be popular as ever.

CINCINNATI Business the past week has been very good. Receipts, owing

A Pennock-Meehan Suggestion

PATENT ROLL TINFOIL AND HOLDER

THE NEW method of handling foil as illustrated here is a great improvement over the old style. Not only is it handier and more economical in using; but it saves space and worry and is always in place.



IF BOUGHT
FROM
US, COSTS
NO
MORE
THAN
ORDINARY
SHEET
FOIL

Comes plain—also in violet and green, and is the best quality foil on the market. Five pound rolls.

Pennock-Meehan Current Quotations on Tinfoil

Old style 1 pound packages, or new style 5 pound rolls (see illustration)—both same price: Plain, per 100 pounds, \$8.50; Colored, per 100 pounds, \$18.00.

PRICES FOR THIS WEEK ONLY. ORDER AT ONCE.

S. S. PENNOCK - MEEHAN CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Av.

WHOLESALE FLOWER MARKETS.—TO DEALERS ONLY.

	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
ROSES	Feb. 21		Feb. 21		Feb. 21		Feb. 21	
Am. Beauty, Fan. and Sp.	16.00	to 20.00	15.00	to 50.00	30.00	to 50.00	40.00	to 50.00
" Extra	10.00	to 12.00	25.00	to 35.00	15.00	to 20.00	20.00	to 30.00
" No. 1	6.00	to 8.00	15.00	to 22.00	10.00	to 15.00	10.00	to 15.00
" Lower grades .....	.....	.....	5.00	to 12.00	5.00	to 7.00	5.00	to 8.00
Bride, 'Maid, F. & S.	6.00	to 8.00	9.00	to 12.00	10.00	to 12.00	6.00	to 8.00
" Low gr.	4.00	to 5.00	5.00	to 8.00	6.00	to 8.00	3.00	to 4.00
Richmond, Chateau, Fancy & Special	6.00	to 8.00	9.00	to 14.00	10.00	to 15.00	8.00	to 12.00
" Lower Grades ..	4.00	to 5.00	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00
Killarney, My Maryland, Fan. & Spl.	6.00	to 8.00	9.00	to 15.00	10.00	to 15.00	8.00	to 12.00
" Low Grades ..	4.00	to 6.00	5.00	to 8.00	6.00	to 8.00	4.00	to 6.00
CARNATIONS, First Quality								
" Ordinary .....	.....	to 4.00	3.00	to 4.00	3.00	to 4.00	4.00	to 5.00
MISCELLANEOUS								
Cattleyas	50.00	to 60.00	50.00	to 75.00	50.00	to 60.00	.....	to 75.00
Cypripediums .....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.00
Lilies, Longiflorum	10.00	to 12.00	12.50	to 15.00	12.00	to 15.00	.....	to 15.00
Lily of the Valley	3.00	to 4.00	.....	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets .....	.....	to .50	.....	to 1.00	.....	to 1.00	.....	to .75
Mignonette .....	.....	to 4.00	.....	to 8.00	3.00	to 4.00	.....	to 6.00
Lilac, per bunch .....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.50
Tulips	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Roman Hyacinths, Paper Whites	1.00	to 2.00	.....	to 3.00	2.00	to 3.00	3.00	to 4.00
Daffodils	2.00	to 3.00	3.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Daisies .....	.....	to .50	1.00	to 2.00	1.50	to 2.00	1.00	to 3.00
Snapdragon	8.00	to 10.00	4.00	to 8.00	6.00	to 8.00	6.00	to 8.00
Sweet Peas	50	to 1.00	.....	to 1.00	.....	to 1.00	50	to 1.00
Gardenias .....	.....	to 1.00	.....	to 3.00	3.00	to 4.00	.....	to 3.00
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	.....	to 1.50
Smilax .....	.....	to 12.50	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	25.00	to 35.00	30.00	to 40.00	40.00	to 50.00	30.00	to 50.00
" " & Spren (100 bchs.)	20.00	to 25.00	30.00	to 40.00	15.00	to 50.00	30.00	to 50.00

ing to the spring-like weather, were on the increase and cleaning up nicely. Beauties are moving to advantage while the quality could be improved upon. The supply of both Brides and

Ivory are just about equal to the demand. Offerings of Pink and White Killarney are very limited. The request for My Maryland and Bridesmaid is

(continued on page 262)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
47 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463
D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No 750
Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist **SELLING AGENT FOR LARGEST GROWERS**
A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
by the 100, 1000 or 10,000
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone-3532-3533 Madison Square

SEND YOUR FLOWERS

Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.

J. K. Allen, 106 W. 28th St., New York Phone 167-4466
Madison Sq.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARNEDIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Feb. 18 1911	First Half of Week beginning Feb. 20 1911
American Beauty, Fancy and Special.....	40.00 to 60.00	40.00 to 60.00
" " Extra.....	20.00 to 30.00	20.00 to 30.00
" " No. 1.....	10.00 to 15.00	10.00 to 15.00
" " Lower Grades.....	3.00 to 6.00	3.00 to 6.00
Bride, Field, Extra and Special.....	6.00 to 15.00	8.00 to 15.00
" " Lower Grades.....	2.00 to 6.00	2.00 to 6.00
Richmond, Chateaux Extra and Special.....	10.00 to 15.00	10.00 to 15.00
" " Lower Grades.....	2.00 to 6.00	2.00 to 6.00
Killarney, My Maryland, Extra and Special.....	4.00 to 10.00	4.00 to 10.00
" " Lower Grades.....	2.00 to 3.00	2.00 to 3.00
Carnations, First Quality.....	3.00 to 4.00	3.00 to 6.00
" " Ordinary.....	2.00 to 3.00	2.00 to 3.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS

34 West 28th Street, New York
Telephones { 1665 } Madison Square **CONSIGNMENTS SOLICITED**

SIEBRECHT & SIEBRECHT
Wholesale Florists

Phone 8346 Madison Square
CONSIGNMENTS SOLICITED

136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

THE KERVAN COMPANY

Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.

Tel. 1519
5893 Mad. Sq. 113 W. 28 St., New York.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in
Glassware, Decorative Greens and Florists' Requisites



MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Flower Market Reports

(Continued from page 261)

exceptionally good while the shortage on these is very apparent. Carnations were in better supply than at any time during the past fortnight. White and lavender Dutch hyacinths are of exceptionally good quality and sell readily, as do tulips of all colors. Violets moved consistently the early part of the past week, but the warm weather during the later part of the week brought in more than the market could consume. Longiflorums and callas find a good market.

Judging from the various reports Valentine's day put a much larger balance on the right side of the ledger than last year. This was the more surprising because the weather was so extremely bad. Roses were very scarce owing to off crop conditions of local growers. It was only towards the end of the week that wholesalers were able to stock up with roses of good quality. Carnations are plentiful, the bulk selling at \$3.00 per 100, with a few choice red ones at \$4.00. Violets are offered in all kinds of shapes and quality. Lily of the valley is very scarce at present and will be so for a while to come; the same may be said of Lilium longiflorum. A heavy call for hardy ferns indicates a general shortage of this indispensable article.

Ever since I reported some weeks back that the existing high price of carnations was caused by the dry weather of last summer I nursed the belief that the steady price and the absence of gluts might recompense the grower for the loss in quantity. While talking with a prominent local carnation grower, who said that my report was the only one that hit the nail on the head, he gave me a rude awakening to the fact that even the constancy of good prices is not able to make up the loss in number of blooms. This grower contends that, while probably working under less favorable conditions than others, he is satisfied that neither he nor any other carnation grower will come any where near the results made a year ago when prices were fluctuating and gluts were frequent.

FRANK DANZER.

General conditions of NEW YORK supply and demand are showing very little fluctuation, the only noticeable tendency being in the direction of more liberal receipts at the wholesale centers with a corresponding easing up of

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb. 18 1910		First Half of Week beginning Feb. 20 1911	
Cattleyas.....	25.00	to 50.00	25.00	to 60.00
Lilies, Longiflorum.....	8.00	to 10.00	10.00	to 18.00
Lily of the Valley.....	1.00	to 2.50	1.00	to 3.00
Violets.....	.20	to .50	.25	to .60
Mignonette.....	2.00	to 8.00	2.00	to 8.00
Lilac, per bunch.....	.10	to .75	.50	to .75
Tulips.....	2.00	to 4.00	2.00	to 4.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 1.50	1.00	to 1.50
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snopdragon.....	3.00	to 6.00	4.00	to 6.00
Sweet Peas (per 100 bunches).....	4.00	to 8.00	4.00	to 10.00
Gardenias.....	25.00	to 40.00	25.00	to 40.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreu. (100 bchs).....	15.00	to 25.00	15.00	to 35.00

the price list on preferred grades of some specialties which are now past the famine stage. Roses are rapidly gaining ground and whoever wants roses can be accommodated in the various wholesale marts using HORTICULTURE'S columns to advertise their business. As to the others, readers can take their chances. It takes all kinds of people to make up the world. Carnations, lily of the valley, cattleyas, acacia, lilacs, gardenias, violets, and a host of other good things are in full supply and prices are simply normal. The goods are worth all that is asked for them and that should be enough.

St. Valentine
PHILADELPHIA proved a real friend of the florists last week and they feel like adopting him as their patron saint. Monday and Tuesday were hummers in this market, and the business done far exceeded all previous records for the same occasion. Wednesday and Thursday were dull, but Friday and Saturday were all right. American Beauty roses and violets were the leaders.

There was also a good demand for sweet peas, daffodils, daisies and forget-me-nots. In the carnation market white varieties dragged a little, but good Enchantress and the fancies in other colors cleaned up well. On the average, however, the prices on carnations have receded. This is mainly on account of the larger supply. The violet supply is much larger also, but the demand keeps pace so that there is as yet no surplus to complain of. Singles were the sufferers if anything. Sweet peas are now coming in in large quantity and have ceased to be a scarce item. In fact, there are almost too many of them. White lilac, gardenias, cattleyas and acacia are among the choicer items and all find

(Continued on page 261)

THE BEST LETTERS

FOR THOSE
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USE BY THE



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N. F. McCarthy, Mgr.

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Brooklyn, N. Y.

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Adiantum cuneatum and *Farleyense*, large clumps from bench, \$8.00 per 100; \$75.00 per 1000. Cash, please. Albert F. Amling Co., Maywood, Ill.

AGERATUMS

Ageratum Stella Gurney R. C., 50c 100; \$4.00 1000. Cash.

J. P. Cannata, Mt. Freedom, N. J.

Ageratum Stella Gurney, 2½ in., \$1.75 per 100. Rooted cuttings, 50 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

Ageratum, 3 inch, \$4.00 per 100; \$35.00 per 1000. The Geo. Wittbold Co., Edgemoor, Chicago, Ill.

ALTERNANTHERAS

Alternanthera Brillantissima and *Aurea Nana*, rooted cuttings, 60c per 100; \$5.00 per 1000. Leonard Long, Oakhurst, N. J.

Alternanthera, strong fall-struck cuttings, 60c per 100. Keeney's Greenhouses, Monongahela, Pa.

Alternanthera, rooted cuttings, red and yellow, \$5.00 per 1000. The Geo. Wittbold Co., Edgemoor, Chicago, Ill.

ALYSSUM

New *Alyssum Variegated Little Gem*, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$5.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

AQUATICS

Aquatic plants. *Sagittaria natans*. Write for prices. S. V. Smith, 3223 Goodman St., Philadelphia.

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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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Asparagus Sprengeri, 2½-in., strong, \$1.50 100. J. Palmer Gordon, Ashland, Va.

Asparagus plumosus, fine 3-in., \$5.00 per 100; 2½-in. *Sprengeri*, \$2.00 per 100. Weber Bros., Ironton, Ohio.

ASTER SEED

Herbert & Fleishauer, McMinnville, Ore.
Oregon-Grown Aster Seed.
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The Crego Aster is the biggest money-maker for the florist of any aster grown. Buy direct from introducer. Colors: White shell pink, rose pink and blue ¼ oz. \$1.00, ½ oz. \$2.00, ounce \$4.00. Cash with order. G. S. Crego, 736 E. Main St., Portland, Oregon.

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A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

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BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
Ruffled Gladioli.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

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James Vick's Sons, Rochester, N. Y.
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The W. W. Barnard Co., Chicago, Ill.
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Spring Bulbs.

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Fottler, Flske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.

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Bulbs, Spireas, Dahlias, etc.

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Boddington's Quality Cannas.
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Wood Bros., Fishkill, N. Y.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

Cannas, 2 to 3 eyes, dry roots. Louisiana, Pennsylvania, \$1.25 per 100. Austria, Italia, 60c. per 100. Cash. Wm. Bierstadt & Son, Springfield, Ill.

CACTI

Cacti Free. The most wonderful plant grown. I live where they grow and make a specialty of collecting for dealers at low wholesale rates—\$3.00 per 100 up. A fine \$5.00 specimen given free with first order for 100. Price list and large pkt. of Cacti seeds for 5 cts. in stamps. Order at once. Mrs. S. L. Pattison, Wholesale and Retail Dealer in Cacti, Mesilla Park, New Mexico.

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Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.
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Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Carnation White House.
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F. Dörner & Sons Co., Lafayette, Ind.
Two New Carnations.
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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.
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Wood Bros., Fishkill, N. Y.
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Harlowarden Greenhouses, Greenport, N. Y.
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Shepard's Garden Carnation Co., Lowell, Mass.

Rooted Cuttings.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

Strong, healthy, well rooted carnation cuttings. Beacon, \$2.50 per 100; Enchantress and Winsor, \$2.00 per 100. H. E. Mitting, Atchison, Kan.

Sangamo carnation cuttings, \$6.00 per 100, \$50.00 per 1000, or will exchange for Pink Delight or Dorothy Gordon cuttings. Rolf Zettlitz, Lima, Ohio.

Rooted carnation cuttings. Victory, Enchantress and Pink Imperial, \$2.50 per 100; \$20.00 per 1000. Cash. David A. Dean, Baldwin, L. I., N. Y.

New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kenrett Square, Pa.

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American Auxiliary Heating Co., Boston, Mass.

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CHRYSANTHEMUMS

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S. J. Reuter & Son, Inc., Westerly, R. I.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM STOCK PLANTS, all ready now. **OCTOBER FROST, GOLD-EN GLOW, ROSIERE, MONROVIA**, \$3.00 per 100; \$2.00 per 1000 assorted. **POEHL-MANN, GOLDEN EAGLE, CHADWICK** and **YANOMA** \$4.00 per 100; \$30.00 per 1000. **PRES. TAFT**, white, **MRS. W. E. KEL-LEY**, yellow, both novelties last year, \$5.00 per 100. **I. M. RAYNER**, Greenport, N. Y.

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt**, Bristol, Pa.

Cinerarias, 2½ in., \$2.00 100; 3 in., \$3.00; 3½ in., \$3.50; 4 in., \$6.00; seedlings, \$1.25 100, or will exchange for stock. **M. D. SCHMIDT & SON**, Park St., Dayton, O.

Cinerarias. Buy now for Easter. Columbian, James' Prize, Scarlet Queen, old rose, blood red, azure blue, white, crimson, 3 in., \$4.00; 4 in., \$6.00 per 100. Fine, clean, stocky, ready for a shift. Cash, please. **J. Sylvester**, Florist, Oconto, Wis.

CLIMATIS

Clematis paniculata, strong 3-year, \$1.00 per 10, \$7.50 per 100, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100. **Twin City Greenhouses**, Basil, Ohio.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Coleus, 2½ inch, \$15.00 per 1000. **R. C. \$4.00** per 1000. **Sunnyside Greenhouses**, Barberton, Ohio.

Coleus. Pfister (red and yellow) and Verschaffelt's, \$6.00 1000. **The Geo. Wittbold Co.**, Edgemoor, Chicago, Ill.

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Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made. Write for list. **Holton & Hankel Co.**, Milwaukee, Wis.

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Giant Persian cyclamen, red, white, pink and splendid mixture. Good, strong plants out of 2½ in. pots, many of them are now in bloom, \$5.00 per 100; \$40.00 per 1000. **Schmidt & Botley Co.**, Springfield, Ohio.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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DAHLIA—Big stock, big clumps, best sorts. **C. Betscher**, Canal Dover, O.

45,000 field-grown clumps, 2c and up. List ready. **H. W. Koerner**, Sta. B., Milwaukee, Wis.

Catalogue of dahlias, cannas, iris, shrubs, berry plants, etc. **W. L. LUX**, R. D. 7, Topeka, Kan.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? **Geo. H. Walker**, Dahlia Expert, North Dighton, Mass.

DAHLIAS—Continued

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, **J. K. Alexander**, E. Bridgewater, Mass.

Dahlias, 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. **J. L. Moore**, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena Indivisa, 3 inch, 4c. **Claude C. Clark**, Muncie, Ind.

Dracaena indivisa, fine stock for growing on, from 2 in. pots, \$2.00 per 100; 2½ in., \$2.50 per 100. **Cash. Wettlin Floral Co.**, Hornell, N. Y.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. **Wm. Nilsson**, Woodlawn, New York City.

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New England Nurseries, Bedford, Mass.

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Eastern Nurseries, Jamaica Plain, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.

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Frank Oechalin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Thomas Roland, Nahant, Mass.

Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. **F. M. Soar**, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock, Boston, Whitmanil, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. **Cash. A. G. Lake**, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson**, Fern Specialist, Short Hills, N. J.

Neph. Whitmanil and **Scotti** from 2½ inch pots, \$3.00 per 100. Runners from bench, \$15.00 per 1000. **Schozell**, 2½ inch, \$5.00 per 100. **Leonard Long**, Oakhurst, N. J.

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Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. **George Stevens**, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. **The Humus Products Co.**, 292 North Sixth St., Newark, N. J.

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M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. **O. K. Fink**, Pottstown, Pa.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by **F. A. Waugh**, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUCHSIAS

Skidelsky & Irwin, Philadelphia, Pa.

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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Otis F. Searles, Nashua, N. H.

Geranium Cuttings.

Geraniums, **R. C.**, best varieties, \$9.00 per 1000. **Sunnyside Greenhouses**, Barberton, Ohio.

Geraniums—Rooted cuttings, winter delivery, **S. A. Nutt**, \$11.50 per 1000; **Ricard** and **Poitvine**, \$14.00 per 1000. **Albert M. Herr**, Lancaster, Pa.

Geraniums from 2½ in. pots, **S. A. Nutt** \$18.00, **Ricard** \$20.00 per 1000; large well grown plants, satisfaction guaranteed. Stock plants, \$5.00 per 100. **Quaker Hill Nurseries**, Monroe, N. Y.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. **C. Betscher**, Canal Dover, O.

Send for our list of choice gladioli and dahlias. **Cushman Gladiolus Co.**, Sylvania, O.

America gladiolus bulbs ready for shipment. Write for prices. **B. B. Currier**, Seabright, Cal.

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Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.

A. T. Stearns Lumber Co., Neponset, Boston.
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King Construction Co., N. Tonawanda, N. Y.
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Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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D. Iliffe, Boston, Mass.

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Pierson U-Bar Co., Madison Ave., New York Designer and Builder.

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Hitchings & Co., 1170 Broadway, N. Y.

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Assn. of America.

J. G. Esler, Saddle River, N. J.

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H. M. Robinson & Co., Boston, Mass.

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Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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HEATING APPARATUS

Lord & Burnham Co.,

1133 Broadway, New York.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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HELIOTROPES.

Heliotrope, dark blue, 2 1/4 in., very bushy, \$2.00 per 100. Rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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James Backhouse & Son, Ltd., York, England.

Alpine and Herbaceous Plants.

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Kilnhead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.

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To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.

Tobacco Powder.

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IRIS

Bobbink & Atkins, Rutherford, N. J.

German and Japanese Iris.

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IRIS—The very best out of 500 sorts.

C. Betscher, Canal Dover, O.

San. Souci, Siberian Blue and Delicata.

\$2.50 per hundred. C. S. Harrison's Select

Nursery Co., York, Neb.

IVIES

Ivy, rooted cuttings, English, \$1.00; Ger-

man, 50c. per 100 prepaid. Chas. Frost,

Kenilworth, N. J.

JACK FROST MATS

Wm. Elliott & Sons, New York.

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KENTIAS

A. Leuthy & Co., Roslindale, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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LANDSCAPE GARDENING**COURSE**

Home Correspondence School, Springfield,

Mass. Dept. 8.

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LILACS

Rouens, on their own roots. 1 to 2 ft.,

\$5.00; 2 to 3 ft. \$10.00; 3 to 4 ft., \$15.00

per hundred. C. S. Harrison's Select Nur-

series Co., York, Neb.

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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LILY OF THE VALLEY PIPS

"Buds." New York, N. Y.

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Hotel Brunswick, Boston, Mass.

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NICO-FUME

Kentucky Tobacco Product Co.,

Louisville, Ky.

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NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

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NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.

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T. C. Thurlow's Sons, Inc.

West Newbury, Mass.

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Mass.

Hardy, Northern Grown Stock.

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Eastern Nurseries, Jamaica Plain, Mass.

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McHutchison & Co., New York, N. Y.

Direct Importations.

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Daniel A. Clarke, Fiskeville, R. I.

Ornamental Trees, Shrubs, Vines, Etc.

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TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00, by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

Nursery Stock For Sale—800 Evergreens

in all varieties; 900 Maple, Norway and

Rock, 8 to 15 feet; 700 Willow, 8 to 12 feet;

1000 large Shrubs in all the best varieties;

Vines, Roses and Perennials, the best va-

rieties. All clean stock. We are obliged

to remove this stock this spring as our

lease has run out and our other fields are

nearly full. Prices will be satisfactory as

we must clean the stock out. Pierce's Nur-

series, Beverly Farms, Mass. Telephone 97.

ONION SEED

Schilder Bros., Chillicothe, Ohio.

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ONION SETS

Leonard Seed Co., Chicago, Ill.

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Schilder Bros., Chillicothe, Ohio.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.

Fresh Imported and Established Orchids.

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Carrillo & Baldwin, Mamaroneck, N. Y.

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Ordenez Bros., Madison, N. J., Box 105.

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Sander, St. Albans, England.

Importer, Exporter, Growers, Hybridists.

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Stuart Low & Co., London, England.

Imported Orchids.

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Orchids—largest stock in the country.

Stove plants and Crotons, finest collection.

Jullus Roehrs Co., Rutherford, N. J.

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Edward V. Low, late of Hugh Low &

Co., dissolved, Vale Bridge, Haywards

Heath, England. "White" Cattleyas and

Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-

lams. 300 illustrations, 800 pages; descrip-

tions of upwards of 2500 species and varie-

ties of orchidaceous plants, etc. The most

complete work on Orchids and orchid cul-

ture ever published. Price \$10.00. Orders

filled by HORTICULTURE, 11 Hamilton

Place, Boston.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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- Joseph Heacock, Wyncote, Pa.
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PANDANUS

Pandanus Veltchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PERENNIAL PLANTS

J. T. Lovett, Little Silver, N. J.

PEERLESS GLASS REPAIR CLAMP

A. Klokner, Wauwatosa, Wis.
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PETUNIAS

Henry A. Dreer, Philadelphia, Pa.
Double Petunias.
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Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

Double Fringed Petunia R. C., \$1.00 per 100. Keeney's Greenhouses, Monongahela, Pa.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Petunias, Dreer's double fringed, mixed colors, 2-in., 2c.; 3-in, 3c.; 3½-in., 4c. Cash. F. A. Baller, Bloomington, Ill.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan E. Graves, 414 Hayward Bldg., Rochester, N. Y.

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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POTASH

German Kall Works, Baltimore, Md.
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POPPIES

Oriental Poppies, mammoth flowered; grandest poppy in cultivation, perfectly hardy. Strong yearling plants \$1.00 doz. Wingert & Ulery, Springfield, Ohio.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

POULTRY FOOD

J. Bolgiano & Son, Baltimore, Md.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula obconica grandiflora and gigantea, all colors, 2½-in., ready for shift, nicely budded, \$3.00 per 100. Kewensis, new giant yellow, in bloom, blooms all summer, 3-in., \$4.00; 4-in., \$6.00 per 100. Cash, please. J. Sylvester, Florist, Oconto, Wis.

PRIVET**CALIFORNIA PRIVET.**

Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$3.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

Amor River, 2 yr., all well bran, 12 to 18 in., \$12.50M; 18 to 24, \$16.50M; 24 to 30, \$20.M; 30 to 36, \$25.M; 36 to 48, \$30.M; Cal. Privet: 2 yr., 12 to 18 in., 2 to 4 bran, \$7.50M; 18 to 24, 3 to 5 bran, \$10.M; 24 to 30, 4 to 6 bran, \$14.50M; 30 to 36, 6 to 10 bran, \$20.M. F. O. B., cash with order. Valdesian Nurseries, Bostic, N. C.

Carlman Ribsam, Trenton, N. J.
California Privet.
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John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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Bobbinck & Atkins, Rutherford, N. J.
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Roses for 1911.

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S. S. Pennock-Meehan Co., Philadelphia, Pa.
New Forcing Irish Rose "Melody."

Lady Gay and Dorothy Perkins roses, field-grown, cut back to 2 or 3 ft. of wood, \$5.00 per 100; \$40.00 per 1000; 500 at 1000 rate. Florence Nursery, Florence, S. C.

SALVIA

Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barberton, Ohio.

SCALECIDE

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S. M. Isbell & Co., Jackson, Mich.
Michigan Grown Vegetable Seeds.

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Seeds. Specialties, peppers, egg plant,

tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Tested Vegetable Seeds, listed below, 8c. per pkg., postage paid. Trial order will convince you of the high quality of these seeds. Cauliflower—Early Snowball. Cabbage—Early Jersey Wakefield. Turnip—Early Flat Dutch, White. Muskmelon—Jenny Lind. Cucumber—White Spine. Radish—French Breakfast. Squash—Golden Hubbard. Tomato—The Ponderosa. Pepper—Ruby King. Celery—Giant Pascal. Lettuce—New York. Onion—White Southport Globe. Address E. P. Lawrence, Fairfield, Conn., Box 171.

SMILAX

Smilax seedlings, 50c. per 100; \$4.00 per 1000. Cash only. John Bauscher, Jr., Freeport, Ill.

SPHAGNUM MOSS

Live sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Horrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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In writing to Advertisers kindly mention Horticulture

STRAWBERRY PLANTS

W. H. L. Openshaw, Alco, N. J.
New Strawberry, "Heritage."

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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TRITOMA PFITZERI

Thomas J. Oberlin, Sinking Spring, Pa.
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VEGETABLE PLANTS

50,000 Grand Rapids and Big Boston Lettuce plants, now ready, \$1.00 per 1000.
Keeney's Greenhouses, Monongahela, Pa.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinca variegata, extra strong 2-in., \$2.25 per 100; \$20.00 per 1000. Claude C. Clark, Muncie, Ind.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.
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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

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"EVERYTHING WORTH PLANTING."

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HOTEL ACCOMMODATIONS FOR NATIONAL FLOWER SHOW.

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SEASONABLE BULBS.

Henry A. Dreer, Inc., Philadelphia, Pa.
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HOT WATER HEATING SIMPLIFIED.

As will be noted in our advertising pages, the American Auxiliary Heating Company is now prepared to supply the celebrated Castle Automatic Circulator, the simplest and most effectual device ever invented to overcome the sluggishness of hot water in greenhouse heating. The failure of water to circulate freely and quickly through the heating pipes is due to a variety of causes—improper piping being the most common—but, whatever the cause may be, the remedy is complete and rapid when this wonderful little appliance is set to work. Hot water is regarded by many experienced greenhouse men as superior to steam, but whatever its other objections may be, is quicker in its action than water unless the latter is aided by some propulsive power. The Automatic Circulator supplies that and now you can have all the well-known advantages of hot water and, by simply touching a button, at once get heat circulation as rapid and as thoroughly distributed as is possible with steam.

The Castle Automatic Circulator is not unknown to greenhouse men for it has been installed in many places of considerable extent and has made a good record wherever given a chance. The manufacturers have plenty of written testimony to this fact. They are issuing now a descriptive booklet telling what the Circulator will do and how it does it and we recommend that every one of our readers who is in any way interested in or dependent upon hot-water heating should apply to the American Auxiliary Heating Co., 6 Beacon street, Boston, for a copy.

GREENHOUSES BUILDING OR CONTEMPLATED.

Warren, Ohio.—H. W. Ward, addition.

Doylestown, Pa.—John R. Andre, addition.

Wellesley, Mass.—Wm. Morris, addition.

Belleville, Ill.—St. Clair Floral Co., addition.

Natick, Mass.—Robert Montgomery, addition.

Topeka, Kan.—J. L. Fisher, range of houses.

Washington, Ind.—Christ. Voges, two houses.

Wyomissing, Pa.—Heck Bros., house 25 x 150 feet.

Stockbridge, Mass.—C. S. Mellen, conservatory.

Woburn, Mass.—Harvey C. Wheeler, nine houses.

Portland, Ore.—S. W. Walter, one house to cost \$250.

Reading, Pa.—William Stabenow, house 40 x 104 feet.

Baltimore, Md.—George M. Cook, house 12½ x 100 feet.

Pittsburgh, Pa.—Pittsburgh Cut Flower Co., eight houses, each 25 x 400 feet.

Ambler, Pa.—Women's Horticultural College, house 21 x 85, King Construction Co. material.

Omaha, Neb.—Hess & Swoboda, six houses, 22 x 150 feet, and one 15 x 200 feet, J. C. Moninger Co. material.

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Flower Market Reports

(Continued from page 263)

ready buyers. Mignonette has improved in quality and is now a factor of more importance, commanding quick sales at good figures. The spell of dark weather which we have had since the middle of December still continues—the worst in many years. American Beauty roses are among the scarcest things on the list. A few good specials coming in and that is about all worth speaking of. The medium and lower grade Beauties as usually seen are conspicuous by their absence.

St. Valentine's day was an exceptionally good business day for both retailer and wholesaler. All through the week the commission men had a splendid market in both business and consignment. There was plenty of stock and it seemed that all in the trade were busy at the same time. Roses are coming in better than for the past four weeks and price is down to \$8 per 100 for choice. Carnations, too, took a drop and \$2 is about the average price for the best. Violets were so plentiful all week that \$2 to \$2.50 per 1000 was asked for good Californias. Sweet peas also dropped to \$2 in 1000 lots for good stock. All bulbous stock is in plenty and down in price, averaging \$3 per 100 for the best

FIRE RECORD.

Hagerstown, Md.—The greenhouses of Frederick Happel were destroyed by fire the night of February 11th; loss about \$1500.

New York, N. Y.—The Fernery, 14 West 33rd street, Miss S. M. Tucker, proprietor, was damaged by fire, February 9th. The damage is covered by insurance.

Union City, Pa.—A barn and warehouse at the Union City Greenhouses, with contents, were destroyed by fire February 11th. One small greenhouse near the warehouse was also destroyed. The loss was about \$1500, insurance \$400.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free! Write to-day

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Dept. H. A. Springfield, Mass.

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HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. National Labor Exchange, 918 Walnut St., Phila., Pa. HENRY C. PRICE

ORCHID COLLECTOR—Young, energetic, honest, trustworthy and ambitious man with a fair knowledge of Orchids and other Tropical plants will secure an opportunity to go to the Tropics for the purpose of collecting Orchids and other Tropical plants. Please apply with full particulars, age, previous experience, references and salary expected—living and other legitimate expenses being paid. S. O., care HORTICULTURE, 11 Hamilton Place, Boston, Mass.

SINGLE MAN to help grow and bunch single violets. E. BINGHAM, Pine St., Dedham, Mass.

SITUATIONS WANTED

GARDENER.

Florist, 36, married, no children; well versed in any kind of flowers, vegetables, greenhouse and landscape work; wish position in private place; capable to handle men; first class recommendations. Alexander Buteaux, gardener, Noroton, Conn.

FOREMAN wants position; at present employed by wholesale grower in Massachusetts. A No. 1 grower of Christmas, Easter and bedding plants, also small ferns and stove plants. Life experience in Europe and U. S.; only responsible position will be considered; correspondence confidential; can start thirty days after engagement. Large salary expected. T. T., care HORTICULTURE.

SUPERINTENDENT or head gardener wants position; open for engagement March 1st, 1911, or later; 20 years' experience in the growing of flowers, fruits and vegetables under glass, as well as out of doors. Married. Only first-class position will be considered. State salary and give full particulars in first letter. Private interview desired. T. D., care HORTICULTURE.

GARDENER or superintendent of small place near Boston wants situation; experienced in gardening and general work; understands horses and driving, pumps and engines. Small family. Best references. T. X., care HORTICULTURE.

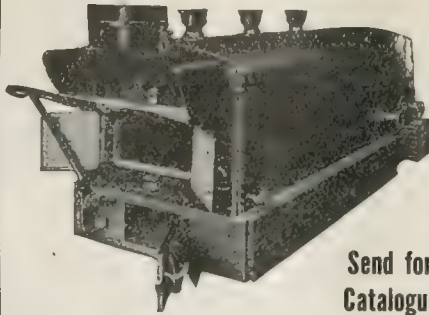
HEAD GARDENER—English, married, 35, wants position April 1st. Life experience, 14 years in this country. First class references as to ability, etc. Particulars in first letter, please. S. F., care of HORTICULTURE.

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GREENHOUSE FOR SALE.

17,000 feet of glass, up-to-date, thoroughly built, prime condition; 7-room dwelling, 2 acres land, half-mile from University, 100 yards from stop on Cleveland and Wooster Electric railway. Established trade. Fine opportunity for any line of greenhouse business. Terms easy. Death of owner reason for selling. Mrs. Nina M. Thorne, Adm., Wooster, Ohio.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.



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Catalogue

What The Users Say—GET STARTED RIGHT

Your No. 14 boiler is heating my house 30 ft. wide x 200 ft. long, and I think it would take care of six houses the size of mine.

Have no trouble to keep up temperatures in coldest weather.

The boiler has given perfect satisfaction and more too, I never saw such a heater. This is the first boiler I ever owned and I am thankful I got the right kind in the start, for I know I will never have any other kind now. I do not know how you could improve on it, for it is a "Daisy."

I have put in your piping system according to our plans and also the Generator. Well, the Generator is the best thing anyone can have around a greenhouse or any other hot water system. It is the best thing I ever spent my money for, and I would not do without one now for five times the cost.

S. K. GREEN, Paris, Ills.

KROESCHELL BROS. CO., 452 W. Erie St., Chicago, Ill.

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

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NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

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OUR PRICES WILL PROVE THIS. CHICAGO, ILL.

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GREENHOUSE GLASS GERMAN AND AMERICAN

261 to 287 A Street BOSTON 20 to 22 Canal Street

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa

STANDARD FLOWER POTS

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W. H. ERNEST

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ALL THE CLAY
FOR OUR
Florist' Red Pots
is prepared by passing
through a screen 1600 meshes
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to mend cracked glass immediately and permanently

There are two classes of growers—one that uses Peerless Glass Repair Clamps, the other that is going to use them. \$1.00 per 100. Ask your dealer or write to

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Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 1/2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1590 2 1/4 " " 5.25	120 7 " " 4.20
1500 2 1/2 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.60	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
450 4 1/2 " " 5.24	24 11 " " 3.60
320 5 " " 4.51	24 12 " " 4.80
210 5 1/2 " " 3.78	12 14 " " 4.50
	6 16 " " 4.50

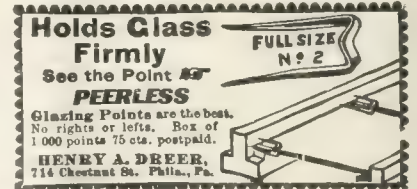
Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address Bilfinger Bros., Pottery Fort Edward, N.Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

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Holds Glass
Firmly

See the Point at
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.

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MONEY

DON'T BE PENURIOUS. GET
THE BEST THERE IS IN
GREENHOUSE CONSTRUCTION

AND THEN IT WILL BE EASY FOR YOU WILL
HAVE TIME TO GROW THINGS WELL AND
THAT'S WHAT COUNTS.

THE NAME **KING** STANDS FOR
ALL THAT IS BEST AND RELIABLE, WHETHER
IN THE GREENHOUSES THEMSELVES OR IN
FITTINGS, SHELF-BRACKETS, PIPE-HANGERS
AND **VENTILATING MACHINERY**

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NEW YORK

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SIZES OUR SPECIALTY
IMMENSE STOCK

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PURLINS, PIPE, FITTINGS, GLASS,
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AND SECOND-HAND

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Lumber, Tools, Sash, Etc.

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HOT BED SASH

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Machines combine quality,
strength, simplicity, neatness and
all the other elements that are re-
quired to make a ventilating ma-
chine the best on the market.

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describing our apparatus and
greenhouse fittings will be sent
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We assure you that your orders
or inquiries will receive our
prompt and careful attention.
Compare our prices, it will
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Suitable for all greenhouse purposes,
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The FLORISTS' HAIL ASSOCIATION
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sq. ft. of glass. For particulars address
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The Greenhouse Unusual

If the U-Bar had not have been unusual, Mr. George Eastman of Kodak fame, would not have made the greenhouses a direct part of his magnificent residence layout at Rochester, N. Y.

The usual greenhouse would not answer, it was too heavy looking, too un-attractive, too "hot housey."

But a greenhouse cannot win out solely on its appearance—it must be productive and must be durable. Just because of these things the U-Bar wins. Send for catalog.

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS

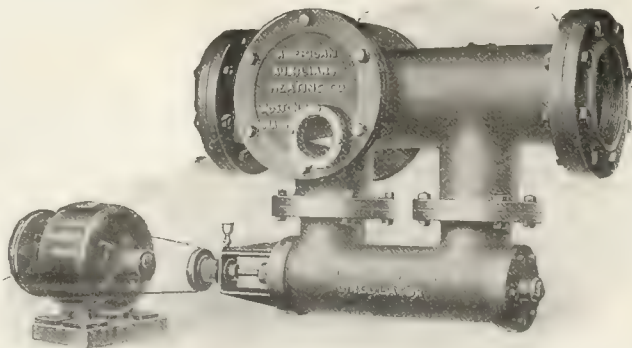


U-BAR CO.

1 MADISON AVE. NEW YORK

CANADIAN OFFICE: 10 PHILLIPS PLACE, MONTREAL.

99 Tons of coal last winter
73 Tons of coal this winter
26 Tons saved



Castle Automatic Circulators

saved over 25 per cent of the coal. A motor driven propeller in the return pipe did it. It not only saved coal, it heated quickly the greenhouses farthest away from the heater.

With the Castle Circulator, the right temperature is maintained day and night. One greenhouse man says, "I am not obliged to fire as early nor as much as before, and parts of the piping which were never heated previously are now well heated."

AMERICAN AUXILIARY HEATING CO., 6 Beacon Street, BOSTON, MASS.

HORTICULTURE

NEW YORK
MILWAUKEE
CHICAGO

Vol. XIII.

MARCH 4, 1911

No. 9



STANDARD WISTARIAS

As grown at the D. Willis James Estate, Madison, N. J., by Wm. Duckham.

*Devoted to the
FLORIST, PLANTSMAN,
LANDSCAPE GARDENER
and
Kindred Interests*

*Published
EVERY SATURDAY
At 11 Hamilton Place,
BOSTON, MASS.
Subscription, \$1.00*

U KNOW USLET'S KNOW U

LARGE DISPLAY OF EASTER GOODS AND METAL DESIGNS FOR MEMORIAL DAY

Our Mr. A. Zirkman, assisted by Mr. R. Shoch, will be at the "QUINCY HOUSE," BOSTON, MASS., during the week of March 5th to 11th with a LARGE DISPLAY OF EASTER GOODS AND NOVEL EFFECTS in BASKETS for COMMENCEMENTS and WEDDINGS, also METAL DESIGNS RUSCUS and CYCAS WREATHS for DECORATION DAY. This will give the Florists of New England an opportunity to inspect in advance our large line of UP-TO-DATE novelties. **TRADE WINNERS.**

Come one, come all; and be pleased and astonished.

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
Philadelphia, Pa.

Manufacturers—Importers—Originators

CARNATIONS

☞ **WHITE HOUSE**, The Quality White. Won the Silver Cup at Morristown for best undisseminated variety; Bronze Medal at Pittsburgh, and five other certificates. Absolutely non-bursting, clean and kind in growth, and a variety that will make good. We have 10,000 for March delivery and that is all we will be in a position to supply of this variety.

☞ **PRINCESS CHARMING**, the finest thing in sight in the Enchantress shade of pink. Every bud a perfect flower and your net returns per square foot will surprise you.

Our stock is limited but we are still in a position to supply first-class rooted cuttings of both these varieties at **\$12.00 per Hundred; \$100.00 per Thousand.**

CHRYSANTHEMUMS.—We catalogue over 500 varieties and surely we have the kind you want.

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THE ROSE FOR YOU! Dark Pink Killarney

Deeper, brighter color than the original Killarney. Does not lose its color in winter. We shall plant 5000 ourselves and many large growers in New England have already placed orders for it. We are agents for the introducer, A. N. Pierson, Cromwell, Conn.

Grafted Plants, 2 1-4 in. Pots, \$20 per 100; \$180 per 1000

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GERANIUMS

While we are short on some few kinds, we can put up an excellent collection that will meet all the requirements of the most critical trade \$2.00 per 100, 1000, in from 10 to 20 kinds, our selection for \$18.50 cash. Ivy Geraniums, Scented Geraniums, Variegated Geraniums, in good assortment described in our catalogue. If you have not got it, you need it. Ask for it.

	2-inch	
	Per 100	Per 1000
DOUBLE PETUNIA. Propagated from selected stock of the finest colors, also double white and single fringed	\$2.00	\$18.50
ALYSSUM, Dwarf and Giant	2.00	18.50
ALTERNANTHERA, six varieties	2.00	18.50
AGERATUM, six varieties	2.00	18.50
COLEUS, Golden Bedder, Verschaffeltii, and others	2.00	18.50

	2-inch	
	Per 100	Per 1000
FUCHSIAS, six varieties	2.00	18.50
LEMON VERBENAS	2.00	18.50
LOBELIA, Kathleen Maffard and Newport Model	2.00	18.50
PARLOR IVY, Senecio Scandens	2.00	18.50
TRADESCANTIA, Zebrina Multicolor	3.00	18.50
SWAINSONA ALBA	2.00	18.50
SALVIA, Bonfire and Zurich	2.00	18.50
COLEUS, Rooted Cuttings	.60	5.00

Cash with orders. Not less than 250 of one variety at 1000 rate.

R. VINCENT, JR., & SONS CO., White Marsh, Md.

WASHINGTON

Dark Pink Sport of
ENCHANTRESS

DO not get this variety confused with the Lawson-Enchantress which we discarded some years ago. Washington-Enchantress differs from Rose Pink Enchantress as night from day. Washington is a sport from Enchantress with the best cerise or beautiful dark pink color—the Lawson shade—with stem, habit and productiveness same as Enchantress, and keeping qualities of the best. Stock is clean, healthy and well rooted. Guaranteed satisfactory in every respect.

\$10 per 100; \$20 per 250; \$75 per 1000 C. O. D.

Chicago Carnation Co.

35-37 Randolph St., Chicago, Ill.

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We supply them of even size and well rooted.

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Cactus Dahlias

Judging by the attitude of northern summer-resort society toward the dahlia the predominance in popular favor of the cactus class is evident. There is apparently no lack of admiration for the decorative, show, and single varieties. Nevertheless, their import is limited to out-



CACTUS DAHLIA VULKAN

door effects. The noble grace of the cactus form, aside from its ornamental value in the garden, gives it also supremacy as a cutflower. In consequence, we see the energy of a majority of leading growers directed to the improvement of this class as the foremost commercial dahlia of the future. The standard qualities called for at present consist of low and medium height and strong sturdy growth, requiring a minimum of support; early and free blooming; long erect stems to carry buds well above the foliage; singular flowers perfect in shape and resistant; medium and large sizes and clear shades and tints preferred.

How many of our old standard varieties possess all those qualities and if really here and there they do, how about their action under different climatic conditions?

Ruth Forbes has done splendidly in New England but is reported to behave badly in Pennsylvania and New Jersey. On the trial grounds of the German Dahlia Society in Frank-furt-on-the-Main last year this same variety was the source of general admiration. As another instance I mention Koenigin Luise, the best German pink variety. Here in Maine it comes fully up to what is expected of the ideal commercial type; in Boston the flowers show open center and in New York and Philadelphia the same variety is perhaps well-nigh worthless. Without at least a half a dozen trial grounds in different parts of our country, the American grower in most cases faces the necessity of finding out for himself what is best suited and from the commercial viewpoint, profitable for his location. According to my observation New England, and especially the northern part thereof, can safely accept British and German introductions at their face value. The difference in climatic conditions is so insignificant that we may reasonably expect the full development of the qualities ascribed to a novelty by its originators. A feature worth studying is the fact that, in illustrating star-debutantes abroad, the picture of the

typical plant is frequently given the preference. A cut of the single flower may be more beautiful, but it leaves us utterly at sea as to habit of growth and carriage of buds. For the northern summer resort early flowering is the paramount issue. We depend entirely on the July and August crops both for cut flower sale and garden effect. By the middle of September the social season is at its end and our market opportunities have vanished.

Of the new varieties tried last year Mauve Queen, one of the very best English introductions of recent date, proved highly satisfactory. The clear mauve-pink and perfect shape of its large flowers caused much favorable comment. Height four to five feet. Vulkan, recommended by German growers as one of the earliest orange scarlets, turned out a marvel in the production of flowers. From July until frost the plants remained literally covered with buds. Vulkan, if it acts in the middle states as here in the North, represents a true type of an ideal commercial cactus dahlia. In height scarcely exceeding four feet, it is a splendid variety for mass effects and its value as a cut flower cannot be questioned. Not less enthusiasm was created by Wolfgang von Goethe, a very large and free variety of rich apricot-red, with light carmine shadings. The extra large and perfect form of the substantial flowers, borne on long stiff stems drew attention at the first glance. The Goethe dahlia is without the least doubt bound to meet with the same public favor in this country as it has abroad. Average height 5 feet. In yellow I have tried Goldkind, a medium-sized early and free canary-colored variety of decided merit; and Goldland, a vivid primrose yellow of perfect form. Both, I believe, will soon be listed among our selected standards.

The whites were more or less disappointing. This increases the interest for Rheinkoenig, heralded on both sides of the Atlantic as the best pure white so far brought



CACTUS DAHLIA MAUVE QUEEN

out. We are in need of a perfect white cactus dahlia. For this reason let us hope that Mr. Dreer's representative is correct in announcing it to be the most desirable acquisition in dahlias offered in many years. As a rule the German trade paper correspondents are very dis-

criminative, but in regard to the excellent qualities of Rheinkoenig they have been unanimous. Rheinkoenig will be disseminated this coming season.

Richard Rothe

Northeast Harbor, Maine.

Fruit and Vegetables Under Glass

PEACHES AND NECTARINES

Early peaches and nectarines will now be swelling their fruit and if a good set has been obtained it will be necessary to thin out some of the weaker and deformed ones. If the set is light no good fruits need be removed at this stage. Take off any that may have had two pistils (a frequent occurrence) to the flower—which will look like two fruits joined. If these are left the chances are they will not finish, failing to stone altogether or having split stones. Two fruits resulting from flowers being on either side of one growth bud should not be left together, as there is not room for fruit to swell to a good size without deforming each other, even if the growth is strong enough to carry them. Fruit set on wood without a growth in front of it must not be relied on as these, in all probability, will drop through lack of sap.

Use care and judgment in thinning at this early stage. A few can always be taken off, where a "vis-a-vis" is impossible. Trees should always carry a double crop up to and through stoning period as this is a critical time, when many fruits may drop, apparently without a cause.

Disbudding of growth buds should be completed, leaving each shoot room to grow without over-crowding. Maintain a night temperature of 55 degrees to 58 degrees in mild weather, dropping a few degrees should the night be frosty. Give the usual advance by day. Syringe every bright morning and dampen around thoroughly when closing up. This should be done early enough to allow the temperature to run up to 70 degrees to 75 degrees which will cause a good sweat.

Later houses will now be coming into flower. Give as much air as possible up to noon. With the sun to bring the flowers to a fit state to receive the pollen, there is no difficulty to get a good set, but with such a sunless time as we had here in Jersey during the early part of February, it is no easy task. One good day is enough to get a set if it is at the right time, but when this is not forthcoming for weeks we find the only course is to turn on a little more heat and admit a crack of air during the morning hours, raising the temperature to 65 degrees by noon and going over the flowers in the usual way. There is no advantage in getting a few pipes hot; instead more pipes should be used, making a nice buoyant atmosphere. Even this is no guarantee; sunshine is the thing.

VINES IN FLOWER

What has been said in the preceding notes is applicable to vines in flower. Black Hamburgs are easy setters—a great point at this time of year. This, combined with its other qualities makes it what it is—the *best* for early work. Give a night temperature of 65 degrees to 70 degrees, raising with sun heat to 80 degrees to 85 degrees. Admit air enough to keep a dry atmosphere even though it is necessary to keep the pipes warm, but avoid draughts. Fertilize as soon as pollen can be seen on the stamens. Now that pot vines have fully expanded foliage, a sharp look-out must be maintained to keep the roots properly moist, for dryness at the root from now on spells disaster.

HOT BEDS

From now on, according to locality, hot beds can be

made and used to great advantage. Get good fresh horse manure, straw included, just as it is turned out of the stables and mix in clean oak leaves, using three parts of manure to two of leaves. This should be thrown together, turned, and mixed up once a day for a week or ten days, before placing in the sash. When filling in, tread down firmly and leave it for two or three days before covering with soil. The temperature can be gauged by pushing a sharp-pointed stick into the bed after making up and feeling with the hand as it is withdrawn.

The earliest and best vegetables are obtained when grown on a mild bottom heat as is afforded by such a hot bed. Hot water pipes have been employed to furnish this but are not so satisfactory, for, in spite of careful watching they are liable to get hot and consequently dry out anything above them. Heated pits or sash with a sufficiently thick wall or side are a great acquisition to any establishment where early vegetables are looked for; even where a vegetable house is at command, better results can be obtained along in the spring from a heated frame. Seedlings are near the glass all the time, lots of air can be admitted when weather permits and, as the season advances, sash can be lifted off altogether during the day. Should cold nights set in a little heat can be turned on to keep a good growing temperature. One 2-inch pipe run around the frame is all that is necessary. Where heat cannot be given material should be piled up around the sides and blankets used for covering over the sash.

Cauliflower, cabbage, lettuce, endive, etc., can be sown in drills or flats and planted out later on, or early sown-plants now in pots and flats can be planted at once. Beans, spinach, radishes, parsley, potatoes, etc., etc., can also be put in in the usual way and good crops obtained.

RHUBARB

This will now force easily if large pots, barrels or boxes are inverted over each root and sufficient fermenting material placed around them. This will warm the soil below and also the limited space above. A whole block can be forced on this way, by covering over a few each week.

ONIONS AND LEEKS

Onions and leeks will now be ready for a shift into fours. Use a well enriched soil, clean pots, and give good drainage. Keep near the glass if possible; this helps to keep the plants sturdy.

George H. Benson

Cropping Pear and Apple Trees

These trees are often weakened and ruined by over cropping while in the young stage. The soil and situation may be all that can be desired, but if the trees are not treated carefully when young, good results cannot be expected. Some varieties may need root-pruning to check rank growth and induce fruitfulness, but the early, free-bearing sorts often get crippled at the start. Sometimes fruit buds will form on the ends of the leading shoots and if allowed to bloom and produce fruit, cripple the trees and prevent any progress being made. These fruit buds should be removed at pruning time, also any that may be near the ends of the leading shoots as they, too, have a crippling tendency. Some people are naturally anxious to secure

fruit as soon as possible, but with the permanent welfare of the young trees in view, it is best to crop sparingly. With older established trees the case is different; when over-cropped they will usually take a rest, and they also have the power to recoup. Young, newly planted trees should go unpruned the first summer and have a liberal supply of water applied to the roots.

JOSEPH TILLSON.

Seasonable Notes on Culture of Florists' Stock

BEDDING PLANTS

The many species of bedding plants largely handled by the commercial growers are often overlooked until the last minute. Now is a good time to make memoranda of what and how many plants you may need. The propagation of such plants as *achyranthes*, *ageratum*, *alternantheras*, *coleus*, *geraniums*, *heliotrope*, German ivy, double *petunias*, *lobelia* Kathleen Mallard, double *alyssum*, *pyrethrum*, *vincas*, etc., should have attention. Sow seed of Marguerite carnation, bedding *begonias*, *celosias*, hybrid *impatiens*, *cosmos*, *candytuft*, *mignonette* in pots, sweet *alyssum*, *asters*, *stocks*, *snapdragons*, *salvias*, *verbenas*, *dianthus*, *ageratum*, *torenia*, *centaurea*, *Phlox Drummondii*, etc., so to have them in salable size when the time comes. As soon as seeds have germinated give them abundant light and air, and when they get well established keep as free a circulation of air through the house as possible without causing too sudden changes of temperature. Keep them free of aphids with fumigation and do not use any more water than is absolutely necessary on dull days.

BORONIAS

These fragrant plants are worthy of being more generally grown. As they go out of flower they should receive a repotting, using fibrous loam three parts, fibrous peat two parts, and enough sand to keep the soil porous, as this family does not do well in a too retentive soil. After potting place them in a night temperature of 50° and keep the walks and benches well sprinkled in bright weather. The house should be kept a little closer than usual for a few weeks, but when well established they should have plenty of air, as they are air-loving subjects. When the plants take freely to the new soil they should have the leading shoots pinched. When the summer comes they are better for a few months' exposure in the open air in some sheltered position until September. *Boronias* can be grown from cuttings taken during March and put in a compost of leaf mold, peat and sand, covered with glass and kept shaded from the sun.

ENGLISH IVY

Propagated at any time with ease. Plants that have become too old, bulky or bare can be cut up into pieces, put into the cool end of a propagating bed, kept sprinkled and guarded against sunshine and they will soon be in condition for potting. By the end of May they can be planted out about six inches apart.

FANCY-LEAVED CALADIUMS

These attractive decorative plants are increasing in demand. First, sort all the available tubers into sizes, keeping each size by themselves, planting each batch separately in a box. Put some moss in the bottom of box and then lay the tubers close to one another, as their stay in these boxes should be short. Place about three-quarters of an inch of moss over the tubers and then set in a frame over the pipes where a temperature of from 70° to 75° can be maintained. When they have made a nice lot of roots they should be potted into the smallest-sized pots that will hold the tubers and roots comfortably. Use a compost of two parts of leaf-mold with the other part in equal proportions of peat and sand. Until the roots have made some progress in growth, watering should be done very carefully. They should be placed where they will get full light, and a thin shade when the sun is powerful, with a moderate amount of ventilation on all favorable opportunity. During the latter part of spring and during the summer they will bear as much heat as most stove plants—from 70° to 78° by night with a day temperature of from 80° to 85°. Whenever they show signs of needing potting shift into larger pots. For these subsequent shifts give a compost of fibrous loam peat and leaf-mold in equal parts, with the addition of some well-rotted cow manure and sand. A rather humid atmosphere is absolutely essential, with a liberal supply of water when growing vigorously.

PANSIES

Pansies that have gone through the winter in frames should now claim special attention. The advantage of a nice day should be taken to give them a thorough cleaning up. Air should be freely admitted on all bright days, and later on the sashes should be opened wide or entirely removed on all fine sunny days so as to expose them fully to the invigorating air of early spring, but always try to maintain an even cool temperature as a high temperature diminishes the size of the flower. Give them a weekly application of liquid manure and see how wonderfully it will help the size of the flower. As the sun gets strong a partial shade at midday will help the texture of the bloom.

PLANTS FOR VASES, BOXES AND BASKETS

Many growers who have these receptacles to fill have only a vague idea as to the amount of stock required. Now is a good time to sum up and either propagate, sow seed, or buy later on what is needed. If plants are required for a shady situation, the following selection is good: *Fuchsias*, *begonias*, *Cyperus alternifolius*, *Ficus elastica*, *aspidistras*, *Farfugium grande*, *selaginellas* and ferns. For centers use *Phoenix rupicola*, *Latania Borbonica*, *Areca lutescens* and *cordylines*. For trailing plants use German ivy, *tradescantias*, *Kenilworth ivy*, and *Asparagus Sprengeri*. Where they will be exposed to the sun the following are very satisfactory: *Geraniums*, *coleus*, *ageratums*, *acalyphas*, *petunias*, dwarf *nasturtiums*, *crotons*, *achyranthes*, *Abutilon vexillarium*, *Grevillea robusta* and *salvias*. For centers use *Dracæna indivisa* or other grassy-leaved species of the *cordyline*. For trailers there is nothing better than *Vinca major*, German ivy, and ivy-leaved *geraniums*. There is lots of material from which to choose, among greenhouse plants and even annuals of many kinds.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Bulbs; Care of Young Rose Stock; *Dieffenbachias*; *Spiræas*; Sweet Peas; *Vandas*.

HORTICULTURE

VOL. XIII

MARCH 4, 1911

NO. 9

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page \$1.00
Discounts on Contracts for consecutive insertions, as follows:
One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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The show outlook

The big event of the year—the National Flower Show—is now very close upon us. The well-sustained winter conditions of the past three months leads us to hope for an early spring and favorable weather for the last week of March, which will be greatly appreciated by exhibitors and visitors, should it so transpire. The managers and committees in the various departments have been very active of late and all local details appear to be well in hand. Evidence accumulates daily as to the unprecedented influx of horticulturists from every section of the country which is now assured for the great Boston event.

An abomination

We are pleased to see some of the daily papers taking up a crusade against the artificially colored flowers that have been more or less in evidence in some flower stores, and in demand by a certain class of trade of late. The idea of chemically treated flowers is simply monstrous and repulsive to any person of refined taste, and the florist who displays them as a feature of his business, while he may find some customers for the unnatural stuff, will, we believe, ultimately suffer an equal or greater loss in the estimation of sensible people who feel that nature has some graces beyond the power of art to improve. The dealer in paints and dyes has his uses but he should not tamper with natural flowers.

Trade advertising

Under present day trade methods and conditions trade paper advertising is recognized by all sagacious business men as an unrivalled and indispensable expedient in business building. In the columns of this paper will be found scores of firms—well known in their special lines from one end of the country to the other—whose prosperous career is due directly to their liberality and progressiveness in trade advertising, backed up, of course, by honorable dealing. The man who is stingy in advertising may acquire desired publicity through other means, but it will cost him far more and the good advertiser is certain to out distance him. The dealer who grudgingly draws forth his wallet for the price of an inch or two of advertising and then gets discouraged because the response is meagre is on the wrong tack. Persistency is one of the cardinal points in profitable advertising.

National Flower Show

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Obituary.

Robert Rodden.

Robert Rodden, who for the past 14 years has carried on the business of a florist at Newton Centre, Mass., died on Saturday, Feb'y 18, from a kidney trouble, after a very brief illness. Mr. Rodden's father was a well-known gardener on some of the famous English and Scottish estates, and the subject of this sketch came to this country about 44 years ago, locating at St. Albans, Vermont. After a few years' residence there he went to Dedham, to take charge of the estate of General S. M. Weld, and later was in charge of the gardens of Colonel Henry Lee of Brookline. He came to Newton Centre about 14 years ago, and erected hot-houses for carrying on a general florist's business, which has proved eminently successful.

Mr. Rodden was of a plain, bluff, honest, sturdy personality, the soul of honor and integrity, and he made hosts of friends with all classes, without any apparent effort on his part to do so. He will be greatly missed by all classes in the community, and by none more than the lovers of flowers who always counted on Mr. Rodden for advice and assistance. He married at St. Albans about 37 years ago Miss Eleanor N. Kyle, who has been a most loving, devoted and efficient helpmate in all his labors. She, with a daughter, Frances M. (Mrs. John McCullough), and three sons, Robert K., who made his home with his parents, Samuel L. of Chicago, Illinois, and Herbert T., at present in South Dakota, are left. The business will be carried on by his widow, with her son, Robert K., as manager.

John H. Taylor.

John H. Taylor, well-known for many years as a leading rose grower, at Bayside, New York, for the New York flower market, died suddenly at the Hotel Martinique, New York City, Saturday, February 25. Mr. Taylor had returned from a winter sojourn in Europe on Thursday in excellent health and his death is attributed to blood poisoning from a cut accidentally inflicted by the barber on board the steamship while shaving him.

Mr. Taylor was born in New York on August 28, 1857. He studied in Europe while a boy and on his return entered Harvard, where he was graduated in 1881. After several years abroad he became manager for his father in the Oakland Nurseries at Bayside and after his father's death he purchased the estate from the heirs. He retired recently from active management of the establishment, having sold part of the estate to the Oakland Golf Club and incorporated the rest of the property in the Draper Realty Company in which he was a stockholder. Together with Mrs. Taylor he has been spending some months in Switzerland and, as the readers of HORTICULTURE know, has sent some very interesting letters to this paper on horticultural topics, which we have published from time to time, the last one appearing in our issue of

ROSE PRINCE DE BULGARIE.



This is one of A. N. Pierson's novelty leaders this season. It is a Pernet-Ducher production and has been

on the American market under the erroneous name of Mrs. Taft for some years. Color shell-pink, very luminous and greatly admired.

February 11. With this communication came a letter expressing pleasure at the prospect of returning and once more meeting his old friends in New York. Poor fellow, his hopes were not to be realized.

We find it hard to express in words the sorrow and sense of loneliness

tality knew no bounds and all the comforts and luxuries of his magnificent estate were at the disposal of his guests, of whom he never could have too many and to whom he endeared himself by his gentlemanly manners and sunny disposition.

He leaves a widow, one son and one daughter. The funeral took place on Monday, February 27.



JOHN H. TAYLOR

caused by the announcement of the passing away of a friend so long known and sincerely loved. His was a rare personality. His affection for flowers for their own sake was consistently followed up by an equal affection for those connected with the flower business. The humblest representative of the craft always received at the hands of John H. Taylor the same welcome that the most distinguished visitors at his mansion enjoyed. His hospi-

THE VISIT TO RIVERTON.

Among the Philadelphians who will be at the Dreer celebration are the following:

A. E. Wohler, George Williams, Thomas Roberts, Wm. J. Muth, F. J. Michel, W. F. Fancourt, Leo Nielsen, A. Farenwald, Walter P. Stokes, Walter N. Yates, S. S. Pennock, J. G. Whildm, H. C. Geiger, A. M. Campbell, Thomas W. Logan, Wm. Kleinheinz, R. M. Eisenhart, Wm. K. Harris, Mark P. Mills, Theodore Shober, Emil Wohler, Eugene J. Shellem, John C. Gracey, Eugene Bernheimer, Henry F. Michel, Charles E. Meehan, Samuel H. Gowans, George Craig, G. C. Watson, Alphonse Pericat, Fred Ehret, Victor Groshens, Carl A. F. Corts, James W. Heacock, Xavier E. E. Schmitt, Robert A. Craig, W. P. Craig, Alfred Burton, Robert Craig, William J. Baker, J. Wolff, Jr., Louis Salinger, W. H. Vance, Winfield S. Harry, Harry Gould, John Berger, Geo. Burton, John R. Andre, William Evans, Hosea Waterer, H. A. Miller, Edward Towill, Wm. W. Carson, H. C. Heileman, T. Nelson Geiger, August Contram, Arthur H. Lasser, John H. Dadds, F. Hahn, Aug. Deemling, John Weidert, H. M. Collins, Jacob Becker, Charles F. Krueger, Adolf Muller, Robert Cantley, Frank Adelberger, John Curwen, William Robertson, Thomas B. Meehan, Edward Reed, Richard Umfried, Hibern Darlington, Mrs. Sarah I. Smith, John F. Sibson, J. Liddon Pennock, A. B. Cartledge

CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY.

The program for the Boston meeting is as follows:

March 27, 2.30 p. m. General Business Meeting. It is planned to have August F. Poehlmann and Wallace R. Pierson present papers at this session.

Tuesday a. m., March 28. Election of officers and a general discussion on New Roses.

Tuesday, 2.30 p. m. A meeting designated by President Elliott—the Amateur's Meeting. Papers by Richard Vincent, Jr., of White Marsh, Md., on what he saw in Belgium; Rev. Dr. Spencer S. Sulliger of Vancouver, Wash., on his visit to the National Rose Show in London, England; William C. McKendrick, the man whose aim is to make Toronto beautiful; an amateur rose grower.

A. N. Pierson, Inc., files the following-described new roses for registration:

Double White Killarney—A sport of White Killarney, originating with The J. A. Budlong & Sons Co., Auburn, R. I., in January, 1910. It is stronger in growth than the parent, with the same general characteristics of foliage and growth. The flower is pure white, with an average of from forty to forty-five petals. It is a wonderful improvement over the parent, having size and substance in summer, when White Killarney is comparatively single. The variety will be disseminated by A. N. Pierson, Inc., in 1912.

Killarney Queen. A deep pink sport of Killarney, originating with The J. A. Budlong & Sons' Co., Auburn, R. I., in 1909. Has the high color of Dark Pink Killarney with an increased vigor in growth. It compares among Killarneys as American Beauty does with other varieties, the stem and foliage being much heavier and the petals nearly twice the size of the petals of Killarney. The variety will be disseminated by A. N. Pierson, Inc., in 1912.

BENJAMIN HAMMOND, Sec'y.

Fishkill-on-Hudson, N. Y.

Feb. 27, 1911.

HORTICULTURAL SOCIETY OF NEW YORK.

An exhibition of plants and flowers will be held at the American Museum of Natural History, New York, in West Assembly Hall, on Wednesday, March 8th, from 1 to 5. A welcome is extended to all who may wish to exhibit, whether members of the society or not. It is desired to make these monthly exhibitions informal, so that plant-lovers may feel at home, both those who exhibit and those who come to see. Schedules of classes and premiums are now ready for distribution, and will be sent on application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City. The following prizes are offered:

Carnations, Open to All. Best vase, Silver Medal.

For Non-Commercial Growers. 3 vases, 3 kinds, 12 flowers of each, first \$5.00, second \$3.00; 12 Scarlet, 12 Windsor Shade, 12 Enchantress Shade, 12 Crimson, 12 Lawson Shade, 12 Variegated, 12 White; first \$2.00, second \$1.00. In each class.

Vase of 50 blooms, arranged for effect of other foliage permitted, exhibitor may supply vase, first \$4.00, second \$2.00. Monthly means, for Non-Commercial.

Growers—10 plants of Cyclamen, first \$10.00, second \$5.00; 5 do, first \$5.00, second \$3.00; 1 do, first \$3.00; 3 Chinese Primulas, first \$2.00, second \$1.00; 3 Cinerarias, first \$3.00, second \$2.00; 3 pots of Freesias, first \$3.00, second \$2.00.

The fall exhibition of this society will be held at the American Museum of Natural History from November 3 to 7, inclusive. This early notice is given that local societies, the members of which may desire to participate in this large exhibition, may select for their own exhibitions dates that will not conflict with the above.

A schedule for this exhibition is now being prepared, and as soon as ready it will be published.

GEORGE V. NASH, Sec.

NEWPORT HORTICULTURAL SOCIETY.

An important meeting of this society was held Feb. 28, when a paper was read on the history and culture of mushrooms, by William Grey, who has been having grand success lately in growing them. Andrew Dorward also read a very interesting paper, the substance of which was that gardeners in charge of estates should devote more time to the study of landscape work and the harmonious arrangement of plants and flowers. This brought out a lively discussion on the matter, most of the speakers agreeing with Mr. Dorward's views, but others pointed out that as the duties of the average private gardener are so various he cannot make a special study of any one without being a failure in others. The meeting was made memorable by the presence of Vice-president William Mackay, who was there to say good bye to the members before his leaving the city, he having resigned his position as head gardener for E. T. Gerry and in summing up the remarks in connection with his leaving, he is a thorough gardener and a perfect gentleman, a fact that was further proved on the night previous by a delegation of the gardeners headed by President A. S. Meikle making a surprise visit to Mr. and Mrs. Mackay and presenting each with a beautiful umbrella, suitably inscribed. A pleasant hour followed with songs in the cigar smoke. I. R.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The regular monthly meeting was held on the 21st inst. Routine business mostly—of little interest to outside public. The next meeting happening on the first day of the Spring Show, it has been arranged to postpone this until the next day (Wednesday) when a lecture will be given in the afternoon by Dr. Ida A. Keller and a lecture by Dr. Skinner in the evening. Dr. Skinner's lecture will be illustrated by stereopticon. Mrs. Geo. Redford presented the society with a portrait of her father, the late Robert Buist, Sr., who took a great interest in the organization during his lifetime. The first prize for *Cineraria hybrida* was awarded to Samuel Batcheler, and the first for *Primula sinensis alba* went to Fred Huggler, gardener to Mrs. George Vaux. The latter were remarkably fine plants—about as fine as anything seen here in recent years.

AMERICAN CARNATION SOCIETY.

William Kleinheinz, Ogontz, Pa., registers new Carnations Miss Dimple Widener (Mrs. Thos. W. Lawson X Lady Bountiful), scarlet; size, 3½ inches; clean grower, and very free bloomer; long, stiff stems and free from disease; never splits and every flower comes perfect.

Members of the American Carnation Society will please bear in mind that all entries for the Boston show should be in the hands of Secretary A. F. J. Baur, Indianapolis, Ind., by March 18th. \$2.00 will be charged for each entry made after that date. Only members of the A. C. S. are eligible to compete in the general carnation classes, excepting section G.

If you are not a member now, send in your application either now or with your entries, including \$3.00 to cover the first year's dues and entrance fee. The fact that you are not a member now need not prevent you from competing at the show, but you must become a member before your entries will be accepted. Send for a premium list. Copies have been mailed to all the members.

Members may now secure A. C. S. buttons. The price of these is 75 cents each. A very wide distribution of these is desired. When you send in your dues, just include 75 cents extra for a button. Why not send your dues to the secretary now, to save him some work at the convention?

In section H, class 51, the donors request that the requirement of 5 in. in size be omitted. The \$25.00 gold medal, or \$25.00 in gold will be awarded to the twelve largest blooms, one or more varieties, regardless of size. Make a note of this.

A. F. J. BAUR, Sec'y.

MASSACHUSETTS FRUIT GROWERS' ASSOCIATION.

The annual meeting will be held at Horticultural Hall, Worcester, Mass., on Wednesday and Thursday, March 8th and 9th, 1911.

The speakers comprise: Director W. P. Brooks of Mass. Experiment Station, Results of Orchard Fertilizing; stereopticon lecture by Dr. H. T. Fernald, Insect Pests and Their Control; Prof. F. C. Sears, Observations on Pacific Coast Methods; Charles E. Lyman, Conn., Future of Peach Growing in N. E.; J. H. Putnam, Conn., Culture of Small Fruits; Prof. B. S. Pickett, N. H., Starting the Apple Orchard; E. B. Parker, N. H., Method of Raising Peaches in N. H.; a paper by Prof. W. M. Scott, Washington, D. C., on Summer Lime-Sulphur will be read; W. A. Munson, Littleton, Treatment of the Prize Apple Acre, and A. J. Norman of the Extension Department Demonstration Orchards.

All those interested in fruit growing are cordially invited to attend the meeting and become members by the payment of \$1.00 a year.

F. HOWARD BROWN, Sec.

Marlboro, Mass.

The 22nd assessment of the Florists' Hall Association will be levied on April 1st, 1911. Members will be duly notified.

NATIONAL FLOWER SHOW.

Arrangements are well under way for the National Flower Show to be held in Boston from March 25th to April 1st. The space both for competitive and trade exhibits is being rapidly taken. The final schedules have been printed and sent to all the members of the different societies under whose auspices the exposition is held. Manager Chester I. Campbell, whose picture appears in this issue, has had designed one of the most attractive art advertising cards for the



CHESTER I. CAMPBELL

exposition ever seen and these will shortly be sent to all the larger cities in the country. An advertising seal or sticker for stationery has also been arranged for and they, too, will be sent to all the exhibitors and members of the Societies.

Manager Campbell has had long experience in the exposition business and realizes fully the importance of such advertising. Among the many expositions which he has charge of are numbered the Boston Automobile Show, which has the reputation of being the largest in the world, the National Motor Boat and Engine Show, the Style Show, Office Appliance, Textile Machinery, Electric, Exhibition of Aerial Craft, and he will also guide the destinies of the great Boston Chamber of Commerce Industrial and Educational Exhibition which will be held in October.

Every mail is now bringing in appli-

cations for space from those who intend making what may be classed as Show exhibits. A number of Boston florists, while not entering in the competitive classes, intend offering novelties in artistic decorative effects and it may safely be predicted this Exposition will long be remembered as portraying the acme of floriculture in America.

BRITISH VISITORS.

The itinerary of the British party which is to visit America this month under conduct of J. S. Brunton, is as follows: S. S. Mauretania from Liverpool; March 11, New York and Philadelphia; March 17-19, White Marsh, Md.; March 20, Washington; March 21, 22, Richmond, Ind.; March 24-26, Chicago; March 27, Niagara Falls; March 28-31, Boston; April 1-5, New York. The party now numbers fifteen or more.

FLORISTS' CLUB OF WASHINGTON.

The Florists' Club of Washington will hold its annual election of officers on March 7. The club has been invited to join with the Philadelphia, Baltimore and New York Clubs in an excursion on March 8 to visit the new greenhouses of Henry A. Dreer, Inc., at Riverview, N. J., a special train being scheduled to leave Philadelphia on that date to accommodate those who intend taking part in the excursion.

F. J. DYER.

A new monthly publication has been started under the title of Nebraska Horticulture, the first number appearing Monday the 13th of February. This publication will take the place of the bulletins which the Nebraska Horticultural Society formerly issued. The secretary of the society, C. G. Marshall, is the editor. Subscription price is \$1.00 a year.

THE GREAT National Flower Show

MECHANICS BUILDING
BOSTON, MASS.

March 25th to April 1st, inclusive

Under Auspices

Society of American Florists

in connection with

American Rose Society, American Carnation Society,
National Sweet Pea Society, Gladiolus Society, National
Association of Gardeners, Florists' and Gardeners'
Club and the Massachusetts Horticultural Society.

Applications for Space in Trade and Competition
Departments now receivable.

Write for Complete Premium List
for the

\$10,000 in Prizes, and diagram of floor space to

CHESTER I. CAMPBELL, Gen'l Mgr.

5 Park Sq., BOSTON, MASS.

COPLEY SQUARE HOTEL

Huntington Avenue, Exeter and Blagden Streets

BOSTON, MASS.

Nearest hotel (only one block) to Flower Show. Rooms without bath \$1.50 per day up, with bath \$2.00 per day up. European plan. 350 rooms, 200 private baths.

AMOS H. WHIPPLE, Proprietor

MID-WINTER SHOW AT BOSTON.

The large exhibition hall of Massachusetts Horticultural Society was nicely filled with a brilliant array of spring-flowering bulbs and blooming plants on February 24, 25 and 26. The number of entries was not as large as expected but the quality was high and the abundant space available for each group was a decided advantage in the way of general effect. In the bulbous classes Wm. Whitman, gard. Martin Sullivan Mrs. J. L. Gardner, gard. Wm. Thatcher and A. N. Preston, gard. J. L. Smith, a new contributor from Swampscott, made the most imposing displays.

On flowering plants the groups were very attractive, especially the *Primula obconica*, cyclamens, acacias and ericas. The obconicas shown by Winthrop Ames, gard. D. Whyte, were from Farquhar's seed and unquestionably the best ever seen here in clearness and variety of color, size of flower, etc., many of the blooms measuring $1\frac{1}{4}$ in. across. *Primula Kewensis* was shown in quantity and was very effective. Among the cyclamens the Giant Salmon and Papilio flowered attracted especial attention. In the cineraria group from Mrs. J. L. Gardner, the new cactus-flowered variety excited admiration. Mrs. Frank Ayer, gard. George Page was the principal exhibitor of ericas and acacias, the large group being exceedingly creditable. A cultural silver medal was worthily awarded to N. P. Harvey for a monster specimen of *Cymbidium Tracyanum* bearing fifteen large spikes of flowers.

In the cut flower section were a collection of 75 blooms showing a great variety of types of *Cattleya Trianae* from W. A. Manda, a table of violets and sweet peas of high quality from Wm. Sim and a vase of handsome Richmond roses from Eber Holmes, Montrose Greenhouses, which received a bronze medal. Following is the list of awards:

Primula Kewensis, six plants: 1st, Winthrop Ames; 2d, Mrs. Frederick Ayer; 3d, Winthrop Ames. *Primula stellata*: 2d, Mrs. J. L. Gardner. *Primula obconica* varieties: 1st, Winthrop Ames; 2d, Winthrop Ames; 3d, Mrs. J. L. Gardner. Cyclamens, twelve plants (commercial growers excluded): 1st, William Whitman; 2d, Mrs. J. L. Gardner; 3d, Mrs. Frederick Ayer. Six plants: 2d, Mrs. Frederick Ayer. Hyacinths, six pans: 1st, William Whitman; 2d, Mrs. J. L. Gardner. Single pan: 1st, Mrs. J. L. Gardner; 2d, Mrs. J. L. Gardner. Early tulips, six pans: 1st, William Whitman. Three pans: 1st, William Whitman. Narcissuses, collection of large trumpet varieties: 1st, William Whitman; 2d, William Whitman. Collection of short trumpet varieties: 1st, William Whitman; 2d, Mrs. J. L. Gardner. General display of spring bulbous plants, arranged with foliage plants: 1st, William Whitman; 2d, William Whitman. Forced bulbs (for amateurs only), six pans: 1st, Margaret A. Rand; 2d, Margaret A. Rand; 3d, Henry L. Bond. Orchids, specimen plant: 1st, Dr. C. G. Weld with *Dendrobium polle Virginale*; 2d, J. T. Butterworth with *C. Trianae*.

First Class Certificate of Merit: E. B. Dane, *Cypripedium Venus* (C. insignis Sanderae x C. niveum); E. B. Dane, *Cypripedium Mauchii* v. *marginatum*.

Cultural Certificate: George Page, specimen plant of *Erica melanthra*. Honorable Mention: E. B. Dane, display of cypripediums.

CLUB AND SOCIETY NOTES.

A delegation from the Houghton Horticultural Society enjoyed a visit to the greenhouses of Wm. Sim at Cliftondale, Mass., on February 22,

The Thorndike Hotel

Boylston St., opp. Public Garden, Boston

Recognized as one of Boston's Best Hotels. Suited to the requirements of tourists — and the best class of Business men and their families.

Rates Per Day

Single Rooms \$1.50, \$2.00, \$2.50; with Bath \$2.00 to \$4.00. Double Rooms \$2.50 to \$4.00; with Bath \$3.50 to \$6.00. Parlor, Chamber and Bath \$6.00 to \$10.00.

"Ye Old English Room"

Conspicuous for its cuisine and service. High class and same standard as the best New York restaurants.

Visitors to the National Flower Show Should Book at the Thorndike, Five Minutes From Mechanics Building

BOSTON'S MOST POPULAR HOTEL



Reserve your accommodations for the National Flower Show NOW.

THE BRUNSWICK
Boylston St. and Copley Sq.

European and American Plan

HERBERT H. BARNES, Prop.

HOTEL WESTMINSTER

Copley Square, Boston.

C. A. GLEASON

where the wonderful sweet peas and violets were inspected and duly admired.

At the monthly meeting of the New Orleans Horticultural Society, held on Thursday, February 16th, the topic under discussion was a paper prepared by Mr. J. C. Quinette, on the

subject of "Trees and Tree Culture." A general discussion resolved itself into a move to have the trees of the city properly attended to so far as trimming, cutting and spraying them is concerned, as in this way the insect pest which has helped to ruin the trees will be done away with.

Boddington's Quality Cannas

true to name, have two to three good eyes, are well cured, sound and dormant, and give absolute satisfaction. Our sales last year were nearly 700,000, and not an overgrown kick.

CRIMSON SHADES.

	100	1000
Alphonse Bouvier, 5 ft....	\$1.75	\$15.00
Alice Roosevelt, 4 ft....	3.75	35.00
Black Prince, 3 to 4 ft...	2.50	22.50
Charles Henderson, 4 ft...	1.75	14.00
Crimson Bedder, 3 ft....	2.00	17.50
Duke of Marlborough, 4½ ft.	2.00	17.50
J. D. Eisele, 5 ft.....	2.00	17.50
Explorateur Crampel, 5½ ft.	2.00	15.00
Express, 2 to 2½ ft.....	3.75	35.00
Louisiana, 7 ft.....	1.75	15.00
Pillar of Fire, 6 to 7 ft...	2.75	25.00
Pres. McKinley, 2½ to 3 ft.	1.75	16.00
Tarrytown, 3½ ft.....	2.25	20.00

PINK SHADES

L. Patry, 4½ ft.....	\$1.75	\$15.00
Louise, 4½ ft.....	1.75	15.00
Mlle. Berat, 4½ ft.....	1.75	15.00

ORANGE SHADES

Mrs. Kate Gray, 6 ft.....	\$1.75	\$15.00
Pennsylvania, 5 ft.....	2.00	15.00
Wyoming, 7 ft.....	2.00	17.50

RED, GOLD-EDGED

	100	1000
Mme. Crozy, 5½ ft.....	\$2.25	\$20.00
Souv. d'Antoine Crozy, 4 ft.	2.75	25.00

YELLOW SHADES

Buttercup, 3½ ft.....	\$2.50	\$22.50
Gladiator, 4 ft.....	2.75	25.00
Florence Vaughan, 5 ft...	1.50	14.00
Newbury, 4 ft.....	2.75	25.00
Queen Charlotte, 3½ ft...	2.75	25.00

WHITE SHADES

Alsace, 3½ ft.....	\$1.75	\$15.00
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BRONZE-LEAVED

Black Beauty, 5 ft.....	\$5.00	\$45.00
Brandywine, 4 to 5 ft....	2.25	20.00
David Harum, 3½ ft....	2.25	20.00
Egandale, 4 ft.....	1.75	15.00
King Humbert, 4 ft.....	2.75	25.00
Leonard Vaughan, 4½ ft.	2.75	25.00
Musafolia, 10 ft.....	2.75	25.00
Robusta, 6 to 8 ft.....	2.00	17.50
Shenandoah, 6 ft.....	1.75	15.00

ORCHID-FLOWERING

Allemania, 4 to 5 ft.....	\$1.75	\$15.00
Austria, 5 ft.....	1.50	14.00
Indiana, 4½ ft.....	1.75	15.00
Italia, 4½ ft.....	1.75	15.00

Our Cannas are packed 250 (of one variety) in a box; two can be "cleated" together and shipped as one. One box of 250 (one variety) sold at thousand rate; it is cheaper for you to buy a box of 250 than 200 at 100 rate. 25 (one variety) at 100 rate.

ARTHUR T. BODDINGTON

SEEDSMAN

342 West 14th Street, NEW YORK

All the above Cannas sold F. O. B. New York or Chicago.

WINTERTON'S SEED STORE, 45-47-49 Wabash Avenue, Chicago

Chicago and Western Agents for our Cannas.

A ST. LOUIS DEAL.

As announced in our last week's issue, J. F. Ammann of Edwardsville, Ill., is arranging to turn his greenhouse plant over to three of his old and trusted employes, namely, J. H. Buchsenschutz, Edward Buchsenschutz and LeRoy Smith, who expect in the near future to incorporate what will be known as the J. F. Ammann Company. The first named has been in the employ of Mr. Ammann for sixteen years, the last ten of which he has had entire charge of the greenhouses as foreman. LeRoy Smith has had charge of the rose section and has also been with Mr. Ammann for over ten years. Edw. Buchsenschutz has spent eight years on the place and during the latter part has had charge of the carnations. They are all young men of good habits and full of energy and bid fair not only to keep up the good reputation of this well-known establishment but to add to and improve it. The company will



J. F. AMMANN

be incorporated for \$6,000, stock fully paid up and will take over all the stock and equipment about July 1, and in time purchase the entire plant, including greenhouses and five acres of land on which they will hold an option for the present. Mr. Ammann expects to hold a few shares of stock in the new company for a while in order to get the boys well started.

Mr. Ammann has been connected with the florists' business for over 25 years and the present plant consists of 40,000 feet of modern greenhouses, boiler equipment, packing and storage rooms and office. Mr. Ammann will devote most of his time to his retail stores at Alton and East St. Louis.

He is a life member of the S. A. F., and of the Illinois State Florists' Association, of which he was also its first president and is now secretary, member of the American Rose Society, American Carnation Society and is ex-president of the St. Louis Florist Club, also director of the Florists' Hall Association and now serving as president of the local Commercial Club.

FUNGINE

The Newly Discovered Fungicide

An Invaluable Remedy for Mildew, Rust and other Fungus Diseases

IT ERADICATES RUST.

"BLANTYRE" GARDENS.

Thomas Proctor, Supt.

Aphine Manufacturing Company, Madison, N. J.

Lenox, Mass., Feb. 24, 1911.

Dear Sirs:—Replying to your letter of the 21st, in which you request me to advise you as to the results of my trials with your Fungine, I have not had an opportunity of testing its merits on mildew, but, I can, however, unqualifiedly recommend it as being a very effective remedy for Carnation Rust. I bought in some new carnations sometime ago—that were in a bad state with Rust on their arrival—their leaves were completely covered, and after two applications, at proportions of one part Fungine to forty parts water, I found it had the desired effect. For this reason I gladly endorse it.

Yours very truly,

THOMAS PROCTOR.

IT DESTROYS MILDEW.

Farmington, Conn., Feb. 23, 1911.

Aphine Manufacturing Company, Madison, N. J.

Dear Sirs:—In reply to yours of the 21st inst. I would say that my experience with Fungine for mildew has been very satisfactory. I think it is much better and easier than the old way of dusting the plants and painting steam pipes.

The first time I used it I was rather disappointed as it turned the wood-work in the houses, wherever the spray hit it, a dirty yellow, but this all disappeared in a few days.

I have not tried it for rust, but cannot see why Fungine is not going to be to the florists and gardeners what the lime and sulphur wash is to the pomologists.

For black, green and white fly, mealy bug and thrip I have not used anything this season but Aphine. The greenhouses have not been fumigated and plants are in a fine healthy condition.

Yours respectfully,

WARRAN S. MASON, Grd. to A. A. Pope.

IT CURES ROOT ROT.

ZIEGER & SONS

Growers of Decorative Greens and Flowers

Palms Ferns Novelties

Germantown, Philadelphia, Pa., February 23d, 1911.

Aphine Manufacturing Company, Madison, N. J.

Gentlemen:—Concerning the Fungine: we may say that we have not had much occasion to use it, however, we had one delightful experience with it. We had quite a few thousand chrysanthemum cuttings inserted in old sand which had been left in one of our cold houses. As our propagator is accustomed to do, he saturated the sand and kept the cuttings very wet, which caused rot and fungus. The writer noticing this apparent loss went to the Fungine purchased from you. We used it one part to twenty-five parts water and sprayed the entire lot of dampened and partly rotted cuttings, thinking that these cuttings (of which there were several thousand) might as well die one way as another, but to our great surprise, these cuttings after the single application, a thorough one at that, turned to a light green color and seemed to extract the fungus which sort of foamed up and separated from the decay (similar to peroxide on a healing wound).

Now these cuttings at this writing have nearly all made good healthy roots, although a few cuttings rotted in the sand but made roots above the decayed part, which seems remarkable to us. It is not necessary to say that for this experience alone we are highly pleased with the results obtained with Fungine used as above, which is far more than we had ever expected.

We beg to take the liberty to state that Aphine does all it is recommended to do in a very satisfactory manner.

Yours very truly,

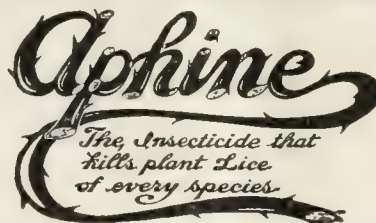
ZIEGER & SONS.

Ernest J. F. Zieger, Sec'y.

FUNGINE, \$2.00 per gal., 75 cents per qt.

For

House



And

Garden

KNOWN AND USED THE WORLD OVER.

Entebbe, UGANDA (Central Africa), Jan. 16, 1911.

Sirs: Kindly supply me with sufficient Aphine to ensure a fair trial. I should be glad to experiment with this insecticide.

W. GOWDEY, Government Entomologist.

Fritz Bahr says in his article on Lilies in the Florists Exchange of February 18th, 1911:

"We have given our lilies a weak dose of Aphine once a week since they have occupied space on top of the bench, and thus far we haven't noticed even a trace of the pests; that ought to prove that greenflies are not very fond of the stuff, for if there's anything they do like, it is to get into tops of the lilies and it takes an awful lot of coaxing to get them out."

APHINE, \$2.50 per gal., \$1.00 per qt.

For Sale by Seedsmen. If you cannot obtain them from your dealer write us for name of nearest selling agent.

Manufactured by APHINE M'F'G CO., MADISON, N. J.

Dreer's Seasonable Bulbs



Dreer's Select Gloxinia.

mer Flowering Bulbs are offered in our QUARTERLY WHOLESALE LIST, and also a full list of Seasonable Plants, Seeds, etc. Write for it if you have not already received a copy.

THE ABOVE PRICES FOR THE TRADE ONLY.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

The E. G. Hill Co.
Wholesale Florists,
Richmond, Ind.

HOLLAND NURSERIES

Best Hardy Rhododendrons,
Azaleas, Conifers, Clematis,
H. P. Roses, Shrubs, and Herba-
ceous Plants.

P. OUYERKERK, 216 Jane St., Weehawken Hgt.,
P. O. No. 1, Hoboken, N. J.

Box Trees

and other EVERGREENS for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and
Arboriculture.

IMPORTANT ROSES

We are offering to commercial rose growers, who are alive to the possibilities of increasing their profits, stock of the best there is in the new varieties. These roses represent the nearest to the ideal that exists in roses today and the quality of stock sent out by us is above question.

DARK PINK KILLARNEY. With a Killarney habit and a color that can be equalled only by the lobe of a Cattleya, it sells on sight.

DOUBLE PINK KILLARNEY. Stronger in growth than the parent and with a large, perfect flower, it stands alone in its class as the representative of the highest type of forcing roses.

PRINCE DE BULGARIE. As a twelve months rose this variety is good, while for a spring, summer and fall bloomer it has

no equal in its color. And in its color, there is the character that is called life. It is hard to describe the color. "Rosy flesh" is near, but it does not describe the impression the color makes. For a money-getter the rose has been a wonder.

LADY CROMWELL, MELODY, MRS. AARON WARD, RADIANCE and the older varieties are described in our catalogue.

If you are progressive, write us for your young stock and get the best that can be produced.

A. N. PIERSON, Inc., - Cromwell, Conn.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

"Nothing but Roses"

Spring List ready, 200 old and new sorts, 2½ and 4-in. on own roots.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Headquarters for SPRING BULBS

Send for Trade List

John Lewis Childs
FLOWERFIELD, LONG ISLAND, N. Y.

TO BUYERS

Patronize our advertisers. they will treat you right

IMPORTED DENDROBIUMS

We are now receiving our usual importations of Dendrobiums, and can offer the following in excellent value. Many of these plants with early cultivation and careful storing can be had in flower at periods extending from Xmas on the one hand to the end of May on the other.

Dendrobium Wardianum Lowianum—The true large-flowering type.

Crassinode—Specially fine plants of this lovely and distinct variety. Very useful for basket work.

Nobile—From district where specially fine forms have been received.

Dalhousianum—This noble species has seldom been imported in such condition.

Jamesianum—Pearly white large-flowering variety, lasting long in flower.

Chrysotoxum, Fimbriatum, Clavatum—Three of the most lovely free flowering yellow varieties.

Devonianum—Very free and beautiful fringed-lip variety, delicately scented.

Catalogue and prices on application

Stuart Low & Co. Royal Nurseries Bush Hill Park nr. **London, England**

Telegraphic Address "Orchids, Enfield."

Telephone Numbers, 1 and 2, Enfield

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted: Pteris Mayli, Wimsetti, Adiantoides, Aspidium Tsussimense, Crytomium falcatum, etc. Strong plants, 2½-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$8.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CINERARIA HYBRIDA

Remember this is the

BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants.

1012 West Ontario St., Philadelphia, Pa.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Rosindale, — Boston, Mass.

Price list on application.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St. New York, N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

SHAMROCKS

2-in. pots \$5.00 per 100.

FERNS FOR DISHES

Assorted varieties.

2½-in. pots, \$3.50 100; \$30.00 1000.

Cash with order

FRANK OECHSLIN

4011 Quincy St., CHICAGO, ILL.

BOSTON FERNS, 2½ inch \$30.00 per 100.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford **BROOKLYN, N. Y.**

BEST PALMS

All Varieties, All Sizes.

Send for Price List

Joseph Heacock

Wyncote, Pa.

SPHAGNUM MOSS

New stock, long and clean, in 5 and 10 bbl. bales burlapped.

MOTTED and FIBROUS PEAT

Gathered from a rich deposit of rotted undergrowth. No better grade in the market. Packed in sacks containing 2½ bu.

Write for prices on large or small quantities.

J. H. SPRAGUE - Barnegat, N. J.

ORCHIDS

We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US!

CARRILLO & BALDWIN,
Mamaroneck, New York.

ORCHIDS

PLANTS and FLOWERS always on hand

ORDONEZ BROS.

Madison, New Jersey

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World

SANDER. St. Albans, England
and 258 Broadway, Room 721
NEW YORK CITY

ORCHIDS

Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

FERNS

Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

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CROMWELL - - CONN.

COLEUS

VERSCHAFFELTII, FIREBRAND, GOLDEN QUEEN, LORD PALMERSTON, QUEEN VICTORIA, BECKWITH'S GEM. Rooted Cuttings, by express, 75 cts. per 100; \$7.00 per 1000.

Out of 2¼-inch pots, in May, \$2.50 per 100; \$20.00 per 1000.

GOLDEN BEDDER, HERO, MESSEY, BRILLIANCY. Rooted Cuttings, by express, \$1.00 per 100; \$8.00 per 1000. Out of 2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

A very fine assortment of twelve varieties not listed above. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000. Out of 2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

Fancy Varieties, either rooted cuttings, or plants from 2¼-inch pots, our selection, 250 at the 1000 rate.

SALVIA

SPLENDENS, BONFIRE, ZURICH, SCHENLEY, rooted cuttings, 75 cts. per 100; \$7.00 per 1000. From 2¼-inch pots; April and later delivery, \$2.50 per 100; \$20.00 per 1000. 250 of a variety, or in assortment as ordered, at the 1000 rate.

Roehrs Quality

In Palms, Pandanuses, Azaleas, Ferns, Orchids, Camellias, Lorraines and the endless variety of **Flowering or Foliage Plants** for Commercial Use or Conservatory Decoration. Quality is our **First Consideration**. And you can get it every day in the year.

Send for Catalogue

Julius Roehrs Company
RUTHERFORD, N. J.

DAHLIAS

THE MIGNON DAHLIA—This valuable novelty is a new strain among the species of Dahlias. Blooms from June till frost, and only 15-in. high. Excellent for bedding.

THE NEW DECORATIVE DAHLIA—Princes Julianna. The very best that we have yet introduced. Pure white and dark green foliage.

THE NEW DWARF PEONY DAHLIA—After 4 years of hybridizing we have succeeded in getting good varieties of which we offer you two of the best, EXCELSIOR and VENUS.

These are all new Dahlias offered for the first time.

These with many others are offered in our Catalogues, which also gives you illustrations of the above-named Dahlias.

Spring Bulbs—DAHLIAS, GLOXINIA, BEGONIAS, Etc.

Fall Bulbs—HYACINTHS, TULIPS, DAFFODILS, IRIS, GLADIOLI, SPIREAS

Write today for our Catalogues

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Sassenheim, Holland

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United States, Germany, South America

491 Bourse Bld. PHILADELPHIA, PA.

OREGON GROWN ASTER SEED

Yamhill Co., Oregon, is the natural home of the Aster and any one desiring seed OF HIGH-GRADE COMMERCIAL QUALITY

will do well to try our seed for 1911. Ask for our new descriptive booklet.

CREGO ASTER SEED, pink, shell pink, white or

purple Tr. Pkt., 25c; 4 Pkts., 75c; Oz., \$4.00

VICK'S ROCHESTER, lavender pink Tr. Pkt., 25c; 4 Pkts., 75c; Oz., 4.00

LADY ROOSEVELT, bright pink Tr. Pkt., 20c; 4 Pkts., 60c; Oz., 3.00

Special prices to seedsmen. Contracts taken for 1911.

HERBERT & FLEISHAUER, Aster Specialist, McMinnville, Oregon

¶ He was so stingy that he used the mole on the back of his neck to save a collar-button.

His soul cry was price, price, price. He held the cent so close to his eye that he couldn't see the dollar behind it. So he bought the cheapest lily bulbs in the market. Now he has the most constipated looking lot of lilies you ever saw in you life. He blames the bulbs of course and he is right, but he has forgotten what he paid.

¶ He can cuss now until he gets ankylosis of the jaw-bone and it won't help matters a bit. He got just what he paid for and he's it.

¶ It is better to buy Horseshoe Brand Giganteum than to wish you had. They are the best marketed that we know of and have averaged the best returns of any brand in the world.



Ralph M. Ward & Co

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

Good Storage Bulbs ready for shipment now or anytime during 1911. Order Now.

Seed Trade

The Pea Shortage.

We are reliably informed that most of the principal pea and bean growers have contracted to their limit on peas and are now compelled to refuse further orders on many of the leading varieties. This applies both to canners' peas as well as the garden varieties and those used by market gardeners. This is an unusual situation for thus early in the year, but from information we had early, we predicted this very condition. Those who are proverbially the last to get on the band wagon, may find it crowded this year, and they may not secure a foothold. In other words, those tardy buyers who are never ready to place their orders until very late in the season, may find difficulty in getting their requirements accepted.

Europe will not be able this year to ease the situation as much as formerly, as we learn that most of the European growers of peas are either already booked up or refuse to contract for future delivery unless the price is left open until harvest. This plan will not prove very satisfactory on this side of the water and those European growers who insist on following this plan, may not secure many contracts, but may be able to offer their crop after harvest, and should there be a good crop this year, they may be sorry they did not follow the usual course instead of introducing revolutionary schemes.

The Bean Situation.

Beans are much easier than peas and, in short, many seedsmen will carry over some varieties, notably Black Valentines. We have already commented on the fact that this variety seems to be very abundant this year, whereas every previous year since its introduction, it has been in very short supply and held at a high premium over most other sorts. This year the conditions are quite reversed, as nearly every seedsman ordered largely in excess of actual requirements to secure enough. A number of them will doubtless carry sufficient over to nearly or quite meet their needs for another year. We presume that the growers will be willing to accept contract orders on beans as late as they are offered this season.

Sugar Corn Deliveries.

We learn that deliveries of sugar corn are very late this year, and that growers are finding it difficult to cure the corn sufficiently to make it safe to shell and bag same. Nearly all are delivering short, one or two of the larger growers under 50 per cent., while others range from 50 to 75 and 80 per cent. The late varieties are undoubtedly proportionately shorter than the earlier, but nearly all are on the short side. It has been stated that the germination of sugar corn will be rather low this year, many lots we are informed, hardly testing 70 per cent. This of course will cause considerable dissatisfaction from seedsmen and canners, but the growers are in no wise in fault, and wherever the blame rests, it is not on them.

Hotel Extortion.

One of the aftermaths of the recent Canners' Convention has been a large number of complaints of over charges by the Milwaukee hotels. To the average disinterested person, the habit of many hotel men of extorting the last farthing they can from guests during such a time as a large convention, is very short-sighted and is usually followed by that particular convention not caring to visit that particular town again for a long time. Hotel people are not in business for a day, but to stay for many years and it would seem to be the part of wisdom as well as justice to deal liberally and fairly with persons who book with them during crowded periods.

The Rochester hotel men are on record in the signed agreement, not to advance their rates to the canners if they decide to hold their convention there next year, and from what we know of the Rochester hotel men, they will live strictly up to their agreement.

About Onion Sets.

The bottom seems to have dropped out of the onion set market and dealers are now offering good samples at prices less than the first cost of production, and it looks as if they were competing as to who should be the first to give them away. Here is one instance where late buyers have it on the early birds, but such instances are rare, and only prove the rule that the early buyer buys the best in the majority of instances.

Great Retail Trade in Prospect.

All indications point to an early spring and this will doubtless bring on a great rush to the retail seedsmen. This is what they are all eagerly looking for, however, and if they can get stocks sufficient to carry them through the season, they will have cause to be grateful, and doubtless will be able to look back upon it as one of the best in the history of the trade.

Crop Conditions Promising.

Crop prospects both in this country and Europe seem to be much better than a year ago. There are a few complaints to be noted from California, but this is nothing unusual and does not mean anything more than the annual wail of the peach growers of Delaware and Maryland. There have been some complaints from Europe, but generally speaking, conditions are far more satisfactory than a year ago, and certainly there are many empty bins to be filled and most seedsmen are hoping for good crops the coming season, as reserves of most of the standard seeds are at the lowest point in many years, while many items are wholly cleaned up. Good crops the coming season will be welcomed by the dealers no less than by the producers.

Notes.

Hamilton, Ill.—J. I. Heisler is now in the seed business, his place being known as the Little Giant Seed Store.

Mail order trade we understand, has improved very much in the past few weeks and all large mail houses are now working nights to keep up with

their orders; in fact, night work has commenced in many establishments who do not make a specialty of mail orders, which is the indication of a very active season.

The Canadian Seed Growers' Association closed its convention at Ottawa on February 17. The old board of officers was re-elected.

We have not definitely learned where the next Seedsmen's Convention is to be held and no change in the situation has occurred so far as we know. As to the next Canners' Convention, it will undoubtedly go to Rochester as previously stated in these columns, unless some conditions now unlooked for, arise in the meantime.

The Indianapolis, Ind. Star under date of Feb. 18th, 1911 says, "Representative Korbly is about to repeat his seed act of last year, this time franking two car loads of free seeds to Indianapolis. But what became of the eighty sackfuls mailed last year? Did anybody plant any, or did any of them grow if planted, or were they fed to the chickens?"

AN INTERESTING SUGGESTION.

Jiro Ohtsuyama, a Japanese gardener, writes that the Chemical Fertilizer Co. of Boston has recently made an important discovery regarding tubers, which, at this season, will be of special interest to planters.

"Some time ago one of our gardeners noticed that the fibrous roots of a turnip grew in two straight lines, on opposite sides of the main root. We proceeded to examine other turnips, beets, radishes, carrots, parsnips, etc., and found the same arrangement in each case. To our surprise, we discovered that these rootlets grew in the direction of east and west, never north and south, owing, perhaps, to the magnetic influence of the earth. Strange as it may seem, this apparently simple fact has been hitherto unknown in any country.

"This discovery will facilitate the raising of tubers in greater numbers and with better results. As the fibrous roots grow east and west, the rows should run north and south, with trenches between, so as to enable the rootlets to absorb the fertilizer easily. Thus the tubers may be planted close together without interfering with each other's growth.


"In these days of high cost of living such intensive farming vastly increases the productivity of a limited space of land."

It is announced that at some period in the current year yet to be decided on, the ownership and management of the "Country Gentleman," of Albany, N. Y., will pass to the Curtis Publishing Company of Philadelphia, and the connection of the present proprietors and editors with the paper will entirely cease. The paper completed last January its eighth year of continuous publication, not a single issue having failed to appear on the appointed day, and it has never changed hands during these fourscore years except by descent from one generation to the next, the present owners being son and grandson of the founder—a record which is believed to be unparalleled, in this country at least.


THE "SPENCER" TYPE OF SWEET PEAS

Burpee's Special Re-selected Stocks for 1911.


"SPENCER" SWEET PEAS are a great specialty with us! We were the first to grow the seed in America—the stock having been entrusted to us before introduction, even in England, of the original Countess Spencer. We have grown "the original Beauty" and its many "sportive" children with painstaking care each season since. There are but few other growers who can supply an equal assortment of True RE-SELECTED "SPENCERS" that are uniformly of such choice quality. Seedsmen and Florists can see how superior our stocks now are by the trials at FORDHOOK FARMS next June or July, while those who may be in California are invited also to inspect the growing crops at our FLORADALE FARM in the beautiful Lompoc Valley. Every planter's garden, however, is really a trial ground and we shall be quite content if any "Doubting Thomas" will send us only a portion of his order and note the difference in character of flowers produced!

 You can buy so-called "Spencer" Sweet Peas at half our prices—but the result will be only disappointment—and when in flower you will surely admit that you would gladly have paid even double our prices to have had the BURPEE-QUALITY of the TRUE SPENCER TYPE!

	Per pkt	Per oz	Per ¼ lb	Per lb
3131 America Spencer. Red flakes on white ground.....	\$0 15	\$1 00		
3133 Asta Ohn. A charming soft lavender.....	10	25	\$0 75	\$2 50
3134 Apple Blossom Spencer. Of same coloring as the popular <i>Apple Blossom</i>	10	35	1 00	3 50
3135 Aurora Spencer. An exact counterpart of <i>Burpee's Aurora Sweet Pea</i>	10	45	1 25	4 50
3138 Beatrice Spencer. White ground, tinted with pink and buff.....	10	25	75	2 50
3139 Countess Spencer. A soft rose-pink.....	10	20	60	2 00
3140 Constance Oliver. Delicate pink, suffused cream.....	15	75		
3141 Dainty Spencer. White, edged with rose.....	15	85	2 75	10 00
3149 Emily Eckford Spencer. Rosy mauve, changing to blue..	15	1 50		
3143 Ethel Roosevelt. Pink flakings or stripes on cream ground. Half-size packet (10 seeds) 15 cts.....	25			
3144 Flora Norton Spencer. A beautiful shade of lavender...	10	50	1 50	5 00
3145 Florence Morse Spencer. A light pink-edged <i>Countess Spencer</i>	10	20	60	2 00
3146 Florence Nightingale. The best lavender <i>Spencer</i> . Half-size packet (10 seeds) 15 cts.....	25			
3147 George Herbert. Bright rosy-carmine.....	10	25	75	2 75
3148 Helen Lewis. Crimson-orange; wings orange-rose.....	10	20	60	2 00
3152 King Edward Spencer. Deep carmine-scarlet.....	10	25	85	3 00
3153 Lovely Spencer. Similar in color to the original " <i>Lovely</i> "...	10	40	1 10	4 00
3154 Mrs. A. Ireland. Buff ground suffused rose.....	15	50	1 35	5 00
3155 Marie Corelli. Brilliant rose-carmine.....	15	85	2 75	10 00
3158 Mrs. C. W. Breadmore. Buff ground, edged with pink...	15	40	1 10	4 00
3159 Mrs. Routzahn. Apricot suffused with pink.....	10	35	1 00	3 50
3160 Mrs. Sankey Spencer. <i>Black-seeded White Spencer</i>	10	20	60	2 00
3161 Othello Spencer. Rich deep maroon.....	10	35	1 00	3 50
3162 Mrs. Hugh Dickson. Rich pink-apricot on cream ground...	15			
3164 Paradise Ivory. Flushed rose on primrose ground.....	10	30	85	3 00
3166 Burpee's Primrose Spencer. (Re-selected).....	10	20	60	2 00
3168 Purple Prince Spencer. Standard purple-maroon, wings rosy-purple.....	15			
3169 Queen Victoria Spencer. Deep primrose flushed with rose.	10	50	1 75	
3170 Ramona Spencer. Striped blush pink on white ground	10	30	85	3 00
3173 Senator Spencer. Deep claret stripes on heliotrope ground	15	65	2 00	7 50
3174 Tennant Spencer. Spencer form of <i>Dorothy Tennant</i>	10	50	1 75	
3180 Waverly Spencer. Purplish maroon.....	10	35	1 00	3 50
3175 W. T. Hutchins. Cream, margined with blush-pink.....	15	85	2 75	10 00
3176 Burpee's White Spencer. (Re-selected).....	10	20	60	2 00
3181 Surpassingly Superb New "Spencer" Seedlings. A grand mixture of varieties of the true " <i>Spencer</i> " type.....	10	20	60	2 00

 The above Prices are Net to Florists, except Prices per Pkt., which are subject to 33 1-3 per cent Discount.

BURPEE'S BLUE LIST FOR 1911

A complete catalog of 146 pages, for Florists and Market Gardeners,—will be mailed upon  application, **but only to those entitled to receive it.** Our Retail Catalog is free to everyone.

W. ATLEE BURPEE CO., Philadelphia

JAMES VICK'S SONS The Largest Grade

We have grown Asters longer, introduced
sell to more Seedsmen and Florists



VICK'S CARDINAL.

VICKS' CARDINAL. For bedding purposes, this Aster is in a class by itself. As striking a color as Scarlet Salvia. The plants are strong and vigorous. The flowers are round and full and are borne on graceful stems of average length, and grow in such abundance from the crest of the plant to the ground and the foliage is so inconspicuous, that each plant resembles a huge bouquet. The plant photographed contained over thirty blooms. Excellent for cut flowers, wherever a deep, rich cardinal is wanted.

Prices: 1-32 oz., 25 cents; 1-16 oz., 40 cents; $\frac{1}{8}$ oz., 60 cents; $\frac{1}{4}$ oz. \$1.00; $\frac{1}{2}$ oz., \$1.75;
1 oz. \$3.00

OUR ASTER BOOK FOR FLORISTS containing full descriptions of these and a
OUR WHOLESALE AND RETAIL CATALOGUES of Seeds, Plants and Bulbs, free
Our booklet HOW TO GROW ASTERS, price 10 cents, free upon request with e

JAMES VICK'S SONS The Largest Grade

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in the World

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re varieties, grow larger quantities and
ny other Aster Grower in America



VICK'S ROYAL.

VICK'S ROYAL. When we introduced Vick's Royal Purple to the trade a few years ago, it immediately sprang into popular favor because it possesses so many sterling qualities long sought for in an early Aster. The flower stems start from the plant close to the ground, are free from laterals, and consequently give their full strength to the production of numerous, handsomely proportioned flowers. Because of its vigor and productiveness, which equals Vick's Late Branching, Vick's Royal will succeed under conditions which would be fatal to most other varieties. In addition to Vick's Royal Purple, we now have two other colors, Vick's Royal White and Vick's Royal Shell Pink. Take our advice and plant a liberal quantity.

Prices, Vick's Royal Purple: 1-16 oz., 20c.; $\frac{1}{8}$ oz., 35c.; $\frac{1}{4}$ oz., 65c.; $\frac{1}{2}$ oz., \$1.20; 1 oz., \$2.

Prices, other colors: 1-32 oz., 30c.; 1-16 oz., 45c.; $\frac{1}{8}$ oz., 75c.; $\frac{1}{4}$ oz., \$1.25, $\frac{1}{2}$ oz. \$2.25; 1 oz., \$4.00.

ng varieties will be mailed free to Florists and Commercial growers only.
st to Florists and Growers only.
order of Aster Seed.

owers of High
n the World

ROCHESTER, N.Y.

CATALOGUES RECEIVED.

Pape & Bergmann, Quedlinburg, Germany.—Novelties in Annual Flowers, etc.

W. B. Longstreth, Gratiot, O.—"Seed Annual and Bargain Catalog" for 1911.

Imperial Seed and Plant Co., Grange, Balto., Md.—Price sheet of Cannas with colored plate.

Kentucky Tobacco Product Co., Louisville, Ky.—Folder and testimonials to efficacy of "Black Leaf 40."

Fleischman, Chicago, sends out a neat little booklet of illustrations and descriptions of high class floral designs, bouquets, etc.

Cannon Floral Co., Hamilton, Ont.—Wholesale Price List of General Plants, Shrubs, Perennials, Etc. Very nice list. Let's swap tariffs.

John S. Weaver, Kinzers, Pa.—Annual Catalogue and Price List of Scientifically Grown and Separated Seeds. Specialties—Broad leaf tobacco, asters, lettuce, sweet corn and beans.

Mrs. S. L. Pattison, Mesilla Park, New Mexico.—Spring Wholesale Price List to the trade. Cactuses in large variety, agaves, yuccas and other succulents are here listed at very low prices. Also cactus seeds.

D. Hill Nursery Co., Inc., Dundee, Ill.—1911 Catalog and Planting Guide for Nursery Stock, especially evergreens of which this company claims to be the largest growers in America. Covers in colors from actual photographs.

Morris & Snow Seed Co., Los Angeles, Cal.—"A Few Hints on Gardening." This is an illustrated list of seeds, bulbs, insecticides, plants, etc., to which cultural notes and calendar of planting operations is advantageously added.

Peacock Dahlia Farms, Berlin, N. J.—Catalogue and Descriptive Price List of Dahlias for 1911. This is a very useful list, especially so in the exact descriptions of the varieties in the various classes. Some promising novelties are included.

Clarke Bros. Portland, Ore.—"Oregon Roses and Other Beautiful Flowers." Crimson rose Hugh Dickson in natural colors forms the cover decoration of this very handsome publication which in typographical excellence is a credit to Pacific Coast art.

California Rose Co., Pomona, Cal.—Illustrated and Descriptive Book of Field-Grown Roses. A very extensive list of roses, which comprise the exclusive product of this company. Yellow rose Joanne Wessenhoff in natural colors adorns the cover page.

V. Lemoine & Fils, Nancy, France.—February, 1911, List of Plant Novelties. This list includes new fuchsias, zonal pelargoniums, pentstemons, buddleyas, astilbes, phloxes, begonias and hardy garden shrubs, from this, the most celebrated hybridizer of Europe.

J. J. H. Gregory & Son, Marblehead, Mass.—Gregory's Honest Seeds, 1911. Vegetable and flower seeds, small fruits, shrubs, plants, etc., are here listed in full assortment. A Hubbard squash, green on gold background with lettering in white, is the cover theme.

Bay State Nurseries, North Abington, Mass.—Wholesale Price List for Valdesian Nurseries, Bostic, N. C.—Wholesale Price List of Shade Trees, Privet, Rhododendrons, Small Fruits, etc. This firm makes a specialty of

EXTRAORDINARY NOVELTY

The First Ruffled Gladioli

GLADIOLUS KUNDERDI "GLORY"

Wavy, ruffled petals give the flower the appearance of an Orchid. Color, creamy pink.

Each 20c; Doz. \$2.00; 100 \$15.00

Write for Special Circular.

HENRY F. MICHELL CO.

518 Market St.

Phila., Pa.

the Amoor River Privet (*L. Amurensis*) which in northern sections is the most desirable of all the privets, combining the hardiness of *Ibota* with much of the fine foliage effect of the California. See their advertisement.

Spring, 1911. A business publication without illustrations, giving trade quotations on a very complete list of ornamental trees and shrubs in classified sizes. A most excellent reference book.

Ellwanger & Barry, Rochester, N. Y.—Novelties of Special Interest and Value. This list comprises the best of the recent introductions in pyruses, prunuses, crataeguses, deutzias, weigelas, roses, lilacs and other ornamental shrubs and trees, and border perennials. Anyone wishing to be in the front with the best things for garden work should carefully peruse this list.

Thomas J. Grey Co., Boston, Mass.—Seed and Implement Catalogue for 1911. Covers "neat but not gaudy," front adorned with cluster of scabiosa and the back with a lovely lawn view. This catalogue announces the affiliation with this company of A. F. Barney and J. M. Gleason, long connected with the Schlegel & Fottler Co. The contents are comprehensive and well arranged.

Ross Brothers Co., Worcester, Mass.—Catalogue of Seeds and Agricultural Goods, Spring, 1911. Garden and field seeds are a strong feature of this fine catalogue. Arrangement, press work and illustrations are all that could be desired. The covers in rich sepia tones are artistic and dignified and after a perusal of the contents one is easily persuaded that farming in New England is far from declining.

Leedle Floral Company, Springfield, O.—"Nothing But Roses." This neat little publication contains besides a classified wholesale price list of summer-grown roses on own roots, a descriptive list of the roses offered, alphabetically arranged and will be found useful and dependable by the florist or nurseryman talking roses to a customer. Between four and five hundred varieties, all classes, are listed.

New York—The Elliott Auction Co. are in possession of their first consignment from Holland, consisting of roses and conifers, which will be offered early in March.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,
42 Vesey St., New York

ONION SEED—ONION SETS

We are extensive growers and dealers. Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

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OHIO

GREAT DROP IN
COW PEAS

We offer at less than market prices **10,000 bushels** of all varieties of Cow Peas and Soja Beans.

Wire, phone or write for samples and special prices, freight paid to your station.

J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS
BALTIMORE, MD.

Founded 1918



BEGONIAS GLOXINIAS
in separate colors

Asters in all varieties and in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER, FISKE, RAWSON CO.
Faneuil Hall Sq., also 26 So. Market St. - - BOSTON

G. O. MORSE & CO.
WHOLESALE SEED GROWERS
SAN FRANCISCO CALIFORNIA

LEONARD SEED CO.
PRODUCERS AND WHOLESALE MERCHANTS
ONION SETS
Write Us for Prices
Largest Growers of Peas, Beans and Garden Seed. Headquarters
228-230 W. KINZIE STREET **CHICAGO**

GERBERA
Jamesoni Magnifica
An Improved Form of the beautiful Scarlet Barberton Daisy, originating with A. Jaeneke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.
"Superbloom" Valley Pips
Special Forcing Grade, \$12.00 per 1000 in cases of 2000 pips; also all other flower seeds and bulbs for florists and gardeners.
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CARL R. GLOECKNER, Pres.

ONION SETS
HEADQUARTERS FOR THE EAST.
We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.
S. D. WOODRUFF & SONS,
82 Dey Street, New York City.
Orange, Conn.

NEW CROP FLORIST FLOWER SEEDS
Vinea separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.
WEBBER & DON
Seed Merchants and Growers, 114 Chambers St., N. Y. City

FINEST FLORISTS' SEEDS
Price list free on request
Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS
For Present Sowing
List ready; mailed free on application.
The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

FUCHSIAS
LITTLE BEAUTY
LORD BYRON
TENNER
E. RENAN
WHITE BEAUTY.
Strong 2 1/2-in. pots \$4.00 per 100
SKIDELSKY & IRWIN CO., 1215 Betz Bldg., PHILADELPHIA, PA.

Established 1820
Thorburn's Seeds
For Florists and Market Gardeners.
All highest grade.
Catalogue mailed on application.
J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

W. N. Scarff. C. O. Vale.
MIAMI VALLEY SEED CO.
NEW CARLISLE, O.
We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.
Lettuce, Onion, Sweet Peas,
Growers for the Wholesale Trade Only.
SAN JOSE, CALIF.
CHOICE SEEDS
FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars, etc.
THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.
Props.
37 East 19th St., - NEW YORK CITY

Burpee's Seeds
PHILADELPHIA
Blue List of Wholesale Prices mailed only to those who plant for profit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Louisville, Ky.—The East End
Floral Bazaar has moved from 409 to
416 E. Market street.

Mason City, Iowa.—The Curtis
Floral Co. is the name under which
the Mason City Floral Co. will be
known in the future.

Cincinnati, Ohio.—Wm. Murphy has
leased and is now occupying the four-
story building at 309 Main street,
which is one door south of his old
location.

Essex, Conn.—Henry B. Dolphi, flor-
ist, and Miss Nellie G. Minor both of
Essex were united in marriage at the
home of the bride Tuesday evening,
February 21st.

STEAMER DEPARTURES

Allan.

Lake Erie, Boston-Glasgow...Mar. 9

American.

Oceanic, N. Y.-S'hampton...Mar. 4

St. Paul, N. Y.-S'hampton...Mar. 11

Anchor.

Caledonia, N. Y.-Glasgow...Mar. 4

Furnessia, N. Y.-Glasgow...Mar. 11

Atlantic Transport.

Minnetonka, N. Y.-London...Mar. 4

Cunard.

Caronia, N. Y.-Liverpool...Mar. 8

French.

La Lorraine, N. Y.-Hayre...Mar. 9

Hamburg American.

Pres. Grant, N. Y.-Hamburg...Mar. 4

Datavia, N. Y.-Mediterranean...Mar. 7

K. A. Victoria, N. Y.-H'mb'rg...Mar. 11

Holland-American.

Statendam, N. Y.-Rotterdam...Mar. 7

North German Lloyd.

P. Irene, N. Y.-Mediterranean...Mar. 4

P. F. Wilhelm, N. Y.-Br'm'n...Mar. 7

K. Wilhelm, N. Y.-Bremen...Mar. 14

Red Star.

Vaderland, N. Y.-Antwerp...Mar. 4

Kroonland, N. Y.-Antwerp...Mar. 11

White Star.

Oceanic, N. Y.-S'hampton...Mar. 4

Celtic, N. Y.-Mediterranean...Mar. 8

St. Paul, N. Y.-S'hampton...Mar. 11

Laurentic, N. Y.-Liverpool...Mar. 11

Brooklyn, N. Y.—August Millang
has bought out the business of Wil-
liam Muller, 57 Stuyvesant avenue, in-
cluding large store, greenhouses,
stable, horses, etc., on March 1.

Portland, Me.—Charles L. Howe,
proprietor of the Portland Flower
Store has purchased the down town
business of L. C. Goddard and will
move the store to this place from 629
Congress street.

NEW FLOWER STORES.

Rochelle, Ill.—A. Caspers.

Brookville, Fla.—T. V. Brown.

Hackensack, N. J.—H. S. Maybie.

Brunswick, Ga.—Adams, The Florist,
Farrington's Drug Store.

Cambridge, Mass.—James Tuohy,
Hampshire street.

Clarksburg, W. Va.—H. Weber &
Sons, Pike street.

Los Angeles, Calif.—Dolphin Flower
Shop, 337 South Spring street.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

OR OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardsplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The

FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

Hollywood Gardens

Artistic Florists and Decorators

Phone Main 1665
1932 Second Ave., SEATTLE, WASH.

Orders given prompt attention.

W. R. GIBSON, Mgr.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

**LOUISVILLE, KY.
JACOB SCHULZ,**
550 South Fourth Ave.



Wholesale and Retail Florists

You both will profit by using McCray Refrigerators. Don't cut down prices because of spoilage. Stop the spoilage. Our patented refrigeration will keep your stock fresh because of the perfect circulation of cold, dry air.

McCray Refrigerators

Are made not only in stock sizes but are built-to-order to suit your requirements. Write to-day for our Free Catalog No. 72 which will give you ideas to help you add to the attractiveness of your establishment.

McCRAY REFRIGERATOR CO.

Chicago Office, 55 Wabash Ave. New York Office, 231 West 42nd St. 253 Lake St., Kendallville, Ind.

THE Florists' Supply House of America

Anything you need in the line of Florists' Supplies we can furnish. Send to us. Catalogue on request.

H. BAYERSDORFER & CO., 1129 ARCH STREET PHILADELPHIA, PA.

PERSONAL.

Jno. Kreamer of Buffalo has left for an extended trip to Bermuda.

Philip Breitmeyer, Detroit, has returned from his trip to Cuba.

Arthur Akroyd has taken a position with Rudolph Mauserberger, Pittsfield, Mass.

Joseph Kocha has accepted a position with the Chicago Rose Co., Chicago, Ill.

Mr. von Boeselager, Detroit, has returned from his visit to his old home near Hanover.

M. J. Callahan is now located in Ventura, Cal. He was formerly rose grower for the Stuppy Floral Co., St. Joseph, Mo.

O. A. C. Oehmler, of Gude's, Washington, who has been suffering from a fractured arm, is once more able to be at the store.

We regret to learn of the serious illness of John H. Dunlop, of Toronto, and sincerely hope for his rapid and complete recovery.

James Curran, formerly at the Florex Gardens, North Wales, Pa., has taken charge of a place in Danville, Pa., leased by Captain Skipper.

John G. Esler, secretary of the Florists' Hail Association, who has been in the New York Hospital for nearly three weeks, returned home on the 21st inst. With the aid of a pair of crutches he is able to be about his office.

Boston visitors: S. O. Royen, Montreal, P. Q.; S. S. Pennock, Philadelphia.

Buffalo visitors: Paul Berkowitz of H. Bayersdorfer & Co.; Mr. Greenlaw of S. S. Pennock-Meehan Co.

Cincinnati visitors: Mr. and Mrs. Charles Dudley, Parkersburg, W. Va.; C. S. Ford, Philadelphia, Pa.; Mrs. R. Buck, Washington C. H., Ohio; Rupert E. Hall, representing Reed & Keller, New York; William F. Eisner, Newark Paraffine Paper Co., Newark, N. J.; O. C. Heberling, Georgetown, Ky.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St. Boston—Thos. F. Galvin, 124 Tremont St. Boston—Edward MacMullin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St. Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St. Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist. Denver, Colo.—Park Floral Co., 1700 Broadway.

Detroit, Mich.—J. Breitmeyer & Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.

New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

IN BANKRUPTCY.

Boston, Mass.—William F. Aylward, florist, C Park street, has filed a petition in bankruptcy. liabilities, \$4,077.00; assets, \$600.

Schenectady, N. Y. One of the largest greenhouses in this vicinity on the George Mark place was blown down by a strong wind recently.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3

ACACIA PUBESCENS**\$2.50 per bunch**

Where yellow is the desired color, you cannot get anything more beautiful and effective.

VIOLETS — MARIE LOUISE, LADY CAMPBELL.**75 Cents Per 100**

Large single Violets \$5.00 per 1000. We guarantee our violets to be as fresh as it is possible to get them.

BUSINESS HOURS, 7 A. M. to 8 P. M.**The Leo Niessen Co.**
WHOLESALE FLORISTS**1209 Arch Street, - PHILADELPHIA, PA.****To Cut Flower Growers and Retail Florists****IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages**The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade****CUT FLOWER BOXES****EDWARDS FOLDING BOX CO.**
MANUFACTURERS
PHILADELPHIA, PA.**CHAS. W. McKELLAR****51 WABASH AVE. CHICAGO****Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers****PETER REINBERG****WHOLESALE****CUT FLOWERS****37 Randolph St., Chicago, Ill.****POEHLMANN BROS. CO.****33-35-37 Randolph St., - CHICAGO****CUT FLOWERS****Greenhouses, - Morton Grove, Ill.****George B. Hart****WHOLESALE****FLORIST****24 Stone St., Rochester, N.Y.****The J. M. McCullough's Sons Co.****WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. **316 Walnut St., Cincinnati, O.****ROBERT J. DYSART****Public Accountant and Auditor**

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE STREET - - - BOSTON

Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

WILLIAM F. KASTING Co.
Wholesale Florists**383-387 ELLICOTT ST. - - BUFFALO, N. Y.****WELCH BROS.****AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS****BEST PRODUCED****226 Devonshire Street,****Boston, Mass.****WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

ROSES	CHICAGO Feb. 28		WIN CITIES Feb. 27		PHILA. Feb. 27		BOSTON Mar. 2	
Ara. Beauty, Fancy and Special...	40.00	to 50.00	40.00	to 50.00	60.00	to 75.00	50.00	to 75.00
" Extra.....	30.00	to 40.00	10.00	to 40.00	35.00	to 50.00	30.00	to 40.00
" No. 1.....	20.00	to 30.00	15.00	to 30.00	20.00	to 30.00	15.00	to 25.00
" Lower grades.....	8.00	to 15.00	4.00	to 15.00	12.00	to 17.00	6.00	to 8.00
Bride, 'Maid, F. & S.....	8.00	to 10.00	8.00	to 10.00	10.00	to 12.00	6.00	to 8.00
" Lower grades.....	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	3.00	to 4.00
Richmond Chateaufort, Fancy & Special	10.00	to 12.00	8.00	to 10.00	15.00	to 20.00	10.00	to 15.00
" Lower grades.....	5.00	to 8.00	4.00	to 8.00	6.00	to 10.00	3.00	to 6.00
Killarney, My Maryland, Fan. & Spl.	10.00	to 12.00	8.00	to 14.00	12.00	to 15.00	6.00	to 8.00
" Low grades.....	5.00	to 8.00	6.00	to 8.00	6.00	to 10.00	3.00	to 5.00
CARNATIONS, First Quality.....	2.00	to 3.00	3.00	to 4.00	4.00	to 5.00	2.00	to 3.00
" Ordinary.....	1.25	to 1.50	2.00	to 3.00	.....	to 3.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	60.00	to 75.00	.....	to 50.00	30.00	to 40.00
Cypripediums.....	15.00	to 20.00	15.00	to 20.00	.....	to 10.00	.....	to 10.00
Lilac, Longiflorum.....	12.00	to 15.00	12.50	to 15.00	.....	to 17.00	8.00	to 10.00
Lily of the valley.....	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Violets.....	5.00	to 10.00	7.50	to 1.50	5.00	to 1.00	3.00	to 5.00
Mignonette.....	3.00	to 6.00	4.00	to 7.00	4.00	to 5.00	2.00	to 6.00
Lilac, per bunch.....	.....	to 1.25	7.50	to 1.25	5.00	to 1.00	.....	to 7.50
Tulips.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 3.00
Roman Hyacinths, Paper Whites.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	1.00	to 1.50
Daffodils.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	1.00	to 1.50
Daisies.....	.....	to 1.00	.....	to 1.00	8.00	to 3.00	5.00	to 1.00
Snapdragon.....	.....	to 1.00	.....	to 1.00	12.00	to 17.00	6.00	to 8.00
Sweet Peas.....	7.50	to 1.00	1.00	to 1.25	7.50	to 1.00	5.00	to 1.00
Gardenias.....	40.00	to 50.00	30.00	to 25.00	25.00	to 40.00	25.00	to 35.00
Adiantum.....	.....	to 1.00	.....	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax.....	12.00	to 15.00	15.00	to 20.00	15.00	to 20.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	50.00	to 75.00	50.00	to 75.00	.....	to 50.00
" " & Sorens (100).....	25.00	to 40.00	30.00	to 35.00	.....	to 40.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,**15 PROVINCE STREET,
9 CHAPMAN PLACE,****BOSTON, MASS.****J.A. BUDLONG****37-39 Randolph Street, CHICAGO.****Roses and
Carnations
A Specialty.....****WHOLESALE
GROWER of****HOERBER BROS.,** **51 Wabash Ave.,** **Cut Flowers** **ALWAYS GOOD,**
CHICAGO, ILL. **FRESH STOCK**Long Distance Phone
Randolph 2758Telegraph, Telephone or
Bring in Your Orders.We Grow Our
Own Flowers.**Roses and Carnations Our Specialty**

Flower Market Reports

BOSTON Plenty of evidence that Lent is now on is found in the wholesale flower marts where flowers of all kinds are accumulating and salesmen are beginning to grow nervous. Prices have fallen all along the line and in the sunny spring weather which has now set in the prospect is for a continuous falling market with the limit a matter of mere conjecture. The day before Ash Wednesday developed a big business as a wind-up to the social mid-winter season and everything that could be unloaded was unloaded. Now comes the deluge, it is feared. All varieties of market flowers are of excellent quality and there is no scarcity on any single item.

BUFFALO Brighter weather, more sunshine, more stock, and business good. Roses are fine, carnations are good and bulbous stock is excellent and lots of it although no complaint can be made that there has been an overabundance. Floral work being well distributed all good flowers have moved readily.

CHICAGO At last the tension is loosened and stock is coming in with something like regularity. Especially is the carnation supply increased and prices have dropped accordingly. Unless something unforeseen occurs there is every probability that from now on carnations will be in sufficient supply to meet the demand. There is not so decided a change in the rose situation, but with the occasional sunshine now coming the worst is probably past. Bulbous stock continues good in quality and there is plenty of it. Growers claim they have found it a profitable investment this year. Forget-me-not sells for 75c. to \$2.00 per 100 stalks and callas for the purchaser's own price, there being no fixed standard and little demand. The violet growers will have troubles of their own, especially those who ship from the East, for the home-grown singles are selling slowly and the eastern doubles still more slowly or not at all. A spring novelty to be a sort of companion to the forced pussy willow appeared this week in the form of dogwood branches in full bloom. They were very attractive and make good window novelties.

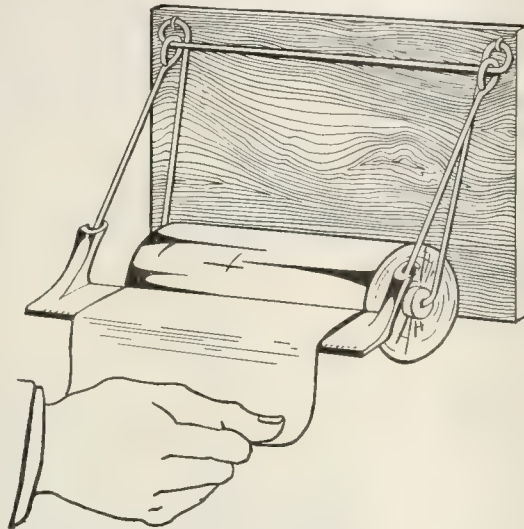
CINCINNATI Market conditions continue very satisfactory. There is a bountiful supply of all kinds of flowers but no surplus. Beauties are coming in more freely and are also improving in quality. There is a liberal supply of Bride and Ivory roses, the short and medium grades having the best call. The shortage of most other varieties is also at an end. The receipts of White and Pink Killarney are, however, very light as are Richmond and Rhea Reid. Carnations are in abundant supply with a downward tendency in price, white and light shades having the preference. Miniature Dutch hyacinths find a ready market. White and yellow tulips are in good demand, while the supply of red tulips is sufficient for present needs. Longiflorum lilies are coming in stronger and clean up nicely, while callas move more slowly. The supply of both single and double violets is

(Continued on page 301)

A Pennock-Meehan Suggestion

PATENT ROLL TINFOIL AND HOLDER

THE NEW method of handling foil as illustrated here is a great improvement over the old style. Not only is it handier and more economical in using; but it saves space and worry and is always in place.



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FOIL

Comes plain—also in violet and green, and is the best quality foil on the market. Five pound rolls.

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Old style 1 pound packages, or new style 5 pound rolls (see illustration)—both same price: Plain, per 100 pounds, \$8.50; Colored, per 100 pounds, \$18.00.

PRICES FOR THIS WEEK ONLY. ORDER AT ONCE.

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Enough to color 200 to 300 flowers (powdered); package will make two quarts liquid. Mailed free at price quoted.

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WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Feb. 21	DETROIT Feb. 21	BUFFALO Feb. 21	PITTSBURG Feb. 21
Am. Beauty, Fan. and Sp.	16.00 to 20.00	35.00 to 50.00	30.00 to 50.00	47.00 to 50.00
“ Extra	10.00 to 12.00	25.00 to 35.00	15.00 to 20.00	20.00 to 30.00
“ No. 1	6.00 to 8.00	15.00 to 22.00	10.00 to 15.00	10.00 to 15.00
“ Lower grades .....	..... to	5.00 to 12.00	5.00 to 7.00	5.00 to 8.00
Bride, 'Maid, F. & S.	6.00 to 8.00	9.00 to 12.00	10.00 to 12.00	6.00 to 8.00
“ Low. gr.	4.00 to	5.00 to 8.00	6.00 to 8.00	3.00 to 4.00
Richmond, Chateau, Fancy & Special	6.00 to 8.00	9.00 to 15.00	10.00 to 15.00	8.00 to 12.00
“ Lower Grades ..	4.00 to	5.00 to 8.00	6.00 to 8.00	6.00 to
Killarney, My Maryland, Fan. & Spl.	6.00 to 8.00	9.00 to 15.00	10.00 to 15.00	8.00 to 12.00
“ Low. Grades ..	4.00 to 6.00	5.00 to 8.00	6.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality .....	..... to 4.00	3.00 to 4.00	3.00 to 4.00	4.00 to 5.00
“ Ordinary .....	..... to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	50.00 to 75.00	50.00 to 60.00	..... to 75.00
Cypripediums .....	..... to .....	..... to	1.00 to 15.00	..... to 15.00
Lilies, Longiflorum	12.00 to 12.00	12.50 to 15.00	12.00 to 15.00	..... to 15.00
Lily of the Valley	3.00 to 4.00	..... to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	.35 to .50	50 to 1.00	.50 to .75	.50 to .75
Mignonette .....	..... to	4.00 to 8.00	3.00 to 4.00	..... to 6.00
Lilic, per bunch .....	..... to .....	..... to .....	..... to .....	..... to 1.50
Tulips	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Roman Hyacinths, Paper Whites ..	1.00 to 2.00	..... to 3.00	2.00 to 3.00	..... to
Daffodils	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	5.00 to 6.00
Daisies .....	..... to .50	1.00 to 2.00	1.50 to 2.00	..... to 3.00
Snapdragon	8.00 to 10.00	4.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Sweet Peas	50 to 1.00	.50 to 1.00	.50 to 1.00	.50 to 1.00
Gardenias .....	..... to .....	..... to	30.00 to 40.00	..... to 30.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	..... to 1.50
Smilax .....	..... to 12.50	..... to 15.00	..... to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	30.00 to 40.00	40.00 to 60.00	50.00 to 50.00
“ “ & Spreng. (100 bchs.)	20.00 to 25.00 to 40.00	35.00 to 50.00 to 50.00

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Telephone
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Feb. 25 1911		First Half of Week beginning Feb. 27 1911	
American Beauty, Fancy and Special.....	40.00	to 60.00	47.00	to 60.00
" " Extra.....	20.00	to 30.00	20.00	to 30.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Bride, Field, Extra and Special.....	6.00	to 8.00	8.00	to 8.00
" " Lower Grades.....	2.00	to 3.00	2.00	to 3.00
Richmond, Chateaux Extra and Special.....	8.00	to 10.00	8.00	to 10.00
" " Lower Grades.....	2.00	to 6.00	2.00	to 6.00
Killarney, My Maryland, Extra and Special.....	4.00	to 10.00	4.00	to 10.00
" " Lower Grades.....	2.00	to 3.00	2.00	to 3.00
Carnations, First Quality.....	3.00	to 4.00	3.00	to 6.00
" Ordinary.....	1.50	to 2.00	1.50	to 2.00

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A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Flower Market Reports

(Continued from page 300)

more than sufficient for requirements. Of lily of the valley, Roman hyacinths and sweet peas, there is a surplus.

A fair average demand DETROIT is the keynote of last week's business with nothing startling and apparently no large things in sight. Roses and lilies are very scarce, which causes much trouble among retailers, especially so regarding the poor quality of local and out-of-town Beauties.

Business last PHILADELPHIA week continued steady and in good volume, and on the whole was quite satisfactory. George's day (22nd) did not cause a ripple outside the ordinary—and was quite a contrast to the day laid aside for the good St. Valentine. Most of the progressive florists are of opinion that the Valentine day business is as yet an untapped mine, and can be largely expanded by judicious catering to, and liberal advertising on the part of the retailers. Flowers generally are more plentiful and about the only really scarce things on the list are good roses. American Beauty especially is scarce, but really good stock is scarce in the other varieties, also. Carnations are splendid stock and in large volume—a little bit more than the market can absorb, so that stock of the lower grades which brought good money recently hangs fire now until the end of the week and does not bring much. The violet market is in prime condition—the mild weather encouraging street wear of these—so that while production is going on at a great rate, there is no glut. Orchids are only medium as to quality at present. There is a fair supply of light colored cattleyas; but the rich dark shades so highly prized are not much in evidence. Some nice oncidiums. Sweet peas are fine and selling all right. White lilac is still of excellent quality and plentiful, but the demand dragged a little last week. Ordinary varieties of tulips go slow, but the fancies such as Couronne D'Or and Murillo bring good figures. All minor items seem to find a good market at good prices. Trailing arbutus and German wallflower are two of the newcomers of the season to be seen in limited quantity. All greens are in good demand and there seems to be no overstock.

The market was very heavy last week, everything seasonable coming in abundance, and the commission

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Feb 25 1910		First Half of Week beginning Feb. 27 1911	
Cattleyas.....	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum.....	8.00	to 10.00	8.00	to 10.00
Lily of the valley.....	1.00	to 2.50	1.00	to 2.00
Violets.....	.20	to .50	.20	to .50
Nigronette.....	2.00	to 8.00	2.00	to 8.00
Lilac, per bunch.....	.10	to .75	.10	to .75
Tulips.....	2.00	to 3.00	1.00	to 3.00
Roman Hyacinths Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 1.50	1.00	to 1.50
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snapdragon.....	3.00	to 6.00	4.00	to 6.00
Sweet Peas (per 100 bunches).....	4.00	to 8.00	4.00	to 8.00
Gardenias.....	25.00	to 40.00	25.00	to 40.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Sorens (too bchs).....	15.00	to 25.00	15.00	to 25.00

men are looking for a big glut after Lent sets in. Last week also saw a big cut in prices on all stock and especially so with carnations, some being sold as low as \$10 per 1000 and downtown window displays saw signs selling them as low as 25 cents a dozen. Roses are again on crop and quite a lot of good shipments were made to this market; \$10 per 100 for the extra fancy and \$3 per 100 for shorts. All Killarneys have the call. Violets are still good. The warm spell of a week ago nearly put them out of the market. Sweet peas are fine and sell well. In bulbous stock the market is in fine condition, and extra quality tulips are \$3; Dutch hyacinths, \$5; lily of the valley, \$3 to \$4; freesias, \$1.50; callas, \$10; lilies, \$12.50; daffodils, \$2 to \$3 per 100.

Following the severe snap of last week, regular spring weather is bringing out an unusually large quantity of bloom. Prices have already begun to take a downward direction. Everywhere on the street fakirs are offering violets of good quality for a mere song. It is playing havoc with the legitimate retail trade and there seems no way to reach these people. Arbutus is also shown. There is an over-surplus of bulbous stock on the market, but something of a shortage still in roses.

Miles City, Mont.—Smedley & Co., of Fargo, N. D., have decided to establish themselves upon a more pretentious scale at Miles City. Property is to be purchased near the city and a range of greenhouses built. Besides raising flowers for the trade they will cultivate small vegetables for the early spring market.

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Ageratum Stella Gurney, 2 1/4 \$1.75, 3 1/2 \$5.00; very bushy rooted cuttings 50c per 100. C. H. Jacobs, Westfield, Mass.
Ageratum, 3 inch, \$1.00 per 100; \$35.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS

Alternanthera, rooted cuttings, red and yellow, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

Strong rooted cuttings of Alternanthera, 60c per 100. Keeney's Greenhouses, Monongahela, Pa.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2 1/4 inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

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Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2 1/2 to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

AQUATICS

Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

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Asparagus Sprengeri, 2 1/2-in., strong, \$1.50 100. J. Palmer Gordon, Ashland, Va.

Asparagus plumosus, fine 3-in., \$5.00 per 100; 2 1/2-in. Sprengeri, \$2.00 per 100. Weber Bros., Ironton, Ohio.

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The Crego Aster is the biggest money-maker for the florist of any aster grown. Buy direct from introducer. Colors: White shell pink, rose pink and blue. 1/4 oz. \$1.00, 1/2 oz. \$2.00, ounce \$4.00. Cash with order. G. S. Crego, 736 E. Main St., Portland, Oregon.

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Hardy white pinks, 3-in., \$2.50 100; 2-in. alyssum, ageratum, hardy ivy, impatiens (white and violet), fuchsias, mesembryanthemum, Salleroi geraniums, 25c doz., \$1.50 100; 300 Vinca var. rooted cuttings, 90c. Any amount of each. Want pansies, hydrangeas, pelargoniums. J. F. Sked, Florist, Westerville, Ohio.

BEGONIAS

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Begonia Lorraine, 2 1/4 in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CACTI

Cacti Free. The most wonderful plant grown. I live where they grow and make a specialty of collecting for dealers at low wholesale rates—\$3.00 per 100 up. A fine \$5.00 specimen given free with first order for 100. Price list and large pkt. of Cacti seeds for 5 cts. in stamps. Order at once. Mrs. S. L. Pattison, Wholesale and Retail Dealer in Cacti, Mesilla Park, New Mexico.

CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.
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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J.
Carnation White House.
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F. Dörner & Sons Co., Lafayette, Ind.
Two New Carnations.
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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.

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Wood Bros., Fishkill, N. Y.
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Harlowarden Greenhouses, Greenport, N. Y.
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Shepard's Garden Carnation Co., Lowell, Mass.

Rooted Cuttings.

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S. J. Reuter & Son, Inc., Westerly, R. I.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

Sangamo carnation cuttings, \$6.00 per 100, \$50.00 per 1000, or will exchange for Pink Delight or Dorothy Gordon cuttings. Rolf Zetlitz, Lima, Ohio.

Rooted carnation cuttings. Victory, Enchantress and Pink Imperial, \$2.50 per 100; \$20.00 per 1000. Cash. David A. Dean, Baldwin, L. I., N. Y.

New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

CASTLE AUTOMATIC CIRCULATOR

American Auxiliary Heating Co., Boston, Mass.

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CHRYSANTHEMUMS

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Wood Bros., Fishkill, N. Y.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Ehner D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CHRYSANTHEMUM STOCK PLANTS. all ready now. **OCTOBER FROST, GOLDEN GLOW, ROSIERE, MONROVIA, \$3.00 per 100; \$20.00 per 1000 assorted. POEHL-MANN, GOLDEN EAGLE, CHADWICK and YANOMA \$4.00 per 100; \$30.00 per 1000. PRES. TAFT, white, MRS. W. E. KELLEY, yellow, both novelties last year, \$5.00 per 100. I. M. RAYNER, Greenport, N. Y.**

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Cinerarias, 2½-in., \$2.00 100; 3-in., \$3.00; 3½-in., \$3.50; 4-in., \$6.00; seedlings, \$1.25 100, or will exchange for stock. M. D. SCHMIDT & SON, Park St., Dayton, O.

Cinerarias. Buy now for Easter. Columbian, James' Prize, Scarlet Queen, old rose, blood red, azure blue, white, crimson, 3-in., \$4.00; 4-in., \$6.00 per 100. Fine, clean, stocky, ready for a shift. Cash, please. J. Sylvester, Florist, Oconto, Wis.

CLIMATIS

Clematis paniculata, strong 3-year, \$1.00 per 10, \$7.50 per 100, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100. F. A. Baller, Bloomington, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Coleus, 2½ inch, \$15.00 per 1000. R. C. \$4.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

Coleus. Pfister (red and yellow) and Verschaffeltii, \$6.00 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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DAHLIA—Big stock, big clumps, best sorts. C. Betscher, Canal Dover, O.

45,000 field-grown clumps, 2c and up. List ready. H. W. Koerner, Sta. B., Milwaukee, Wis.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridge-water, Mass.

Dahlias, 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS — Continued**DAHLIAS NEW FOR 1911.**

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena Indivisa, 3 inch, 4c. Claude C. Clark, Muncie, Ind.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Eastern Nurseries, Jamaica Plain, Mass.
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T. C. Thurlow's Sons, West Newbury, Mass.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oeschlin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Thomas Roland, Nahant, Mass.
Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N.J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure

Chemical Fertilizer Co., Boston, Mass.
Plant Tonic.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters

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FLORISTS' PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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FLOWER POTS

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUCHSIAS

Skidelsky & Irwin, Philadelphia, Pa.
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GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Mme. Salleron geraniums, 2-in., 2c. F. J. Prouty, Spencer, Mass.

Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barborton, Ohio.

Geraniums, strong R. C. of Double Pink, Red and White Mixed, \$1.00 per 100. Keeney's Greenhouses, Monongahela, Pa.

Mad. Salleron Geraniums, strong R. C., \$1.00 per 100. Keeney's Greenhouses, Monongahela, Pa.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poltevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Send for our list of choice gladioli and dahlias. Cushman Gladiolus Co., Sylvania, O.

America gladiolus bulbets ready for shipment. Write for prices. B. B. Currier, Seabright, Cal.

GLASS

Boston Plate & Window Glass Co., Boston
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass, Lord & Burnham Co., 1135 Broadway, N. Y.

In writing to Advertisers kindly mention Horticulture

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GREENHOUSE BUILDING MATERIAL

Lora & Burnham Co.,
1133 Broadway, New York.

A. T. Stearns Lumber Co., Neponset,
Boston.

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King Construction Co., N. Tonawanda, N. Y.

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J. C. Moulting Co., 117 East Blackhawk
St., Chicago, Ill.

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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave.,
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King Construction Co., N. Tonawanda,
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A. T. Stearns Lumber Co., Boston, Mass.

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D. Hille, Boston, Mass.

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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Assn. of America.

J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.

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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York

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HEATING APPARATUS

Lord & Burnham Co.,

1133 Broadway, New York.

Kroeschell Bros. Co., 466 Erie St., Chicago.

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HELIOTROPES.

Heliotrope, dark blue, 2 1/4 in., \$2.00 per 100; 3 1/4 in., \$6.00. Very bushy rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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James Backhouse & Son, Ltd., York, Eng-
land.

Alpine and Herbaceous Plants.

HOSE

H. A. Dreer, Philadelphia, Pa.

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HOTEL ACCOMMODATIONS FOR NATIONAL FLOWER SHOW

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Hotel Westminster, Boston, Mass.
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Copley Square Hotel, Boston, Mass.
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Hotel Brunswick, Boston, Mass.
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HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.

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Foley Mfg. Co., Chicago.

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stuupp & Walter Co., New York.

Kilmdead Tobacco Dust.

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Aphloe Manufacturing Co., Madison, N. J.

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E. H. Hunt, Chicago, Ill.

To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.

Tobacco Powder.

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IRIS

Bobbink & Atkins, Rutherford, N. J.

German and Japanese Iris.

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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

San. Souci, Siberian Blue and Delicata,
\$2.50 per hundred. C. S. Harrison's Select
Nursery Co., York, Neb.

IVIES

Ivy, rooted cuttings, English, \$1.00; Ger-
man, 50c. per 100 prepaid. Chas. Frost,
Kenilworth, N. J.

JACK FROST MATS

Wm. Elliott & Sons, New York.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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LANDSCAPE GARDENING**COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.

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LILACS

Rouens, on their own roots. 1 to 2 ft.,
\$5.00; 2 to 3 ft., \$10.00; 3 to 4 ft., \$15.00
per hundred. C. S. Harrison's Select Nur-
sery Co., York, Neb.

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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LILY OF THE VALLEY**CLUMPS**

Lily of the Valley Clumps, \$6.00 per 100.

Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY PIPS

"Buds," New York, N. Y.

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LOBELIAS

Lobelia Kathleen Mallard, the new
double. Rooted cuttings taken in Septem-
ber and kept growing on in soil, large
plants for 2 or 3 in. p. 4s. 75c. per 100 by
mail; \$5.00 per 1000, express. Chas. Whit-
ton, 29 York St., Utica, N. Y.

NATIONAL FLOWER SHOW HEADQUARTERS

Hotel Brunswick, Boston, Mass.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NOVELTIES

"REAL NOVELTIES AND
NOVEL REALITIES."

In Hardy Plants.

The biggest collection offered anywhere,
is found in our NOVELTY CATALOGUE,
just out.

Of great interest to the amateur and
commercial grower alike.

It describes and illustrates uncommon
plants of singular beauty, desirability and
simplicity of growth; inexpensive to
acquire.

Besides; our low prices, plants are big,
making them valuable, in small or large
quantities.

Mailed along with our illustrated whole-
sale catalogue of Hardy Perennials, etc.,
on receipt of three 2c. stamps, which pays
postage only, and which amount is
credited on first order.

PALISADES NURSERIES, INC.,

SPARKILL, N. Y.

Imperative to mention this paper.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.

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New England Nurseries, Bedford, Mass.

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W. & T. Smith Co., Geneva, N. Y.

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T. C. Thurlow's Sons, Inc.

West Newbury, Mass.

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Bay State Nurseries, North Abington,
Mass.

Hardy, Northern Grown Stock.

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Eastern Nurseries, Jamaica Plain, Mass.

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McClutchison & Co., New York, N. Y.

Direct Importations.

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Daniel A. Clarke, Fiskeville, R. I.

Ornamental Trees, Shrubs, Vines, Etc.

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F. W. Kelsey Nursery Co., New York, N. Y.

"Everything Worth Planting."

TREES, SHRUBS, ROSES, EVER-

GREENS, PEONIES, HARDY PLANTS

Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,

by C. S. Sargent, mailed to your address

for \$6.00, by Horticulture Publishing Co.,

11 Hamilton Place, Boston.

Nursery Stock For Sale—800 Evergreens

in all varieties; 900 Maple, Norway and

Rock, 8 to 15 feet; 700 Willow, 8 to 12 feet;

1000 large Shrubs in all the best varieties;

Vines, Roses and Perennials, the best va-

rieties. All clean stock. We are obliged

to remove this stock this spring as our

lease has run out and our other fields are

nearly full. Prices will be satisfactory as

we must clean the stock out. Pierce's Nur-

sery, Beverly Farms, Mass. Telephone 97.

ONION SEED

Schilder Bros., Chillicothe, Ohio.

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ONION SETS

Leonard Seed Co., Chicago, Ill.

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Schilder Bros., Chillicothe, Ohio.

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S. D. Woodruff & Sons, New York, N. Y.

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Choice, sound, unstrouted onion sets.

Yellow, \$1.20; red, \$1.25; white, \$1.60 per

32 lb. bushel. Sacks included. Sluis Seed

Store, 544 W. 63rd St., Chicago

ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordenez Bros., Madison, N. J., Box 106.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Stuart Low & Co., London, England.
Imported Orchids.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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John Scott, Brooklyn, N. Y.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Hancock, Wynote, Pa.
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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Retscher, Canal Dover, O.

PEERLESS GLASS REPAIR CLAMP

A. Klokner, Wauwatosa, Wis.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barborton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Petunias, Dreer's double fringed, mixed colors, 2-in., 2c.; 3-in., 3c.; 3½-in., 4c. Cash. Twin City Greenhouses, Basil, Ohio.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Tiesless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

POPPIES

Oriental Poppies, mammoth flowered; grandest poppy in cultivation, perfectly hardy. Strong yearling plants \$1.00 doz. Wingert & Ulery, Springfield, Ohio.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula obconica grandiflora and gigantea, all colors, 2½-in., ready for shift, nicely budded, \$3.00 per 100. Kewensis, new giant yellow, in bloom, blooms all summer, 3-in., \$4.00; 4-in., \$6.00 per 100. Cash, please. J. Sylvester, Florist, Oconto, Wis.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

Amoor River, 2 yr., all well bran, 12 to 18 in., \$12.50M; 18 to 24, \$16.50M; 24 to 30, \$20M; 30 to 36, \$25M; 36 to 48, \$30M; Cal. Privet: 2 yr., 12 to 18 in., 2 to 4 bran, \$7.50M; 18 to 24, 3 to 5 bran, \$10M; 24 to 30, 4 to 6 bran, \$14.50M; 30 to 36, 6 to 10 bran, \$20M. F. O. B., cash with order. Valdesian Nurseries, Bostic, N. C.

Carlman Ribsam, Trenton, N. J.
California Privet.

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RESURRECTION PLANTS

RESURRECTION PLANTS—We are strictly headquarters for the Mexican resurrection plant, and ship all over the world. Dormant plants, guaranteed to "resurrect," \$2 per 100, delivered; \$10 per 1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000 weigh about 45 pounds. Also cacti. The Francis E. Lester Company, Dept. 9, Mesilla Park, N. M.

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Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barborton, Ohio.

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Michigan Grown Vegetable Seeds.

Seeds. Specialties, peppers, egg plant, tomato vine seeds and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Tested Vegetable Seeds, listed below, 8c. per pk., postage paid. Trial order will convince you of the high quality of these seeds. Could we Early Snip! Cab- bage, Early Jersey Wakefield, Turnip—Early Flat Dutch, White Mangel-worm—Jonny Lind, Cucumber—White Spine—Reddish French Breakfast—Spursh—Golden Hubbard—Tomato—The Pandorosa—Pepper—Ruby King, Celery—Giant Pas- cal—Lettuce—New York—Quina—White Southport Globe. Address E. P. Lawrence, Fairfield, Conn., Box 171.

In writing to Advertisers kindly mention Horticulture

SHAMROCKS

SHAMROCKS We have 50,000 true Irish shamrocks for your St. Patrick's Day trade in 1 in. pots, \$4.00 per 100; 1 1/2 in. pots, \$4.00 per 100; 4 in. pans, \$1.50 per dozen. Get busy now and gather in some extra money on March 17th. Cash with order. Leonard Cousins, Jr., Concord Jet., Mass. Telephone 82 Concord.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J. For page see List of Advertisers.

TRITOMA PFITZERI

Tritoma Pfitzeri, the best of the Red Hot Pokers for cut flowers. Divisions, single crowns, \$4.00 per 100, \$30.00 per 1000; double and triple crowns, \$6.00 per 100, \$50.00 per 1000; clumps, \$8.00 per 100, \$70.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

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VENTILATING MACHINERY, New Model enclosed, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VEGETABLE PLANTS

Vegetable plants from seedbed, all leading varieties. Write for prices. A. S. Pett, Crawfordsville, Ind.

50,000 strong Grand Rapids Lettuce plants, \$1.00 per 1000. Keeney's Greenhouses, Monongahela, Pa.

VINCAS

Vinca variegata, extra strong 2-in., \$2.25 per 100; \$20.00 per 1000. Claude C. Clark, Muncie, Ind.

Vinca variegata rooted cuttings, \$1.00 per 100; \$8.00 per 1000. Orders booked for delivery at any time. Russell Bros., R. R. 4, Syracuse, N. Y.

Vinca variegata, 2 1/2-in., 2c. F. J. Prouty, Spencer, Mass.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gilmet, Moylan, Del. Co., Pa.

WILD SMILAX

E. A. Beaven, Evergreen, Ala. Southern Wild Smilax.

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WIREWORK

Reed & Keller, 122 W. 25th St., N. Y. For page see List of Advertisers.

Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

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INCORPORATED.

Hatboro, Pa.—H. M. Weiss & Sons Co., to do a florist and nursery business, capital stock \$10,000.

Boston, Mass.—W. E. Doyle Co., capital stock \$20,000. W. E. Doyle president and John J. Cassidy treasurer.

Waco, Tex.—The Waco Nursery Co., capital stock \$32,000. Incorporators: Sam Sanger, L. A. Goldstein, F. S. Henry and others.

Oklahoma, Okla.—The Southwestern Nursery Co., capital stock \$50,000. Incorporators: C. M. Redman, C. N. Potter and P. D. Peters.

New Offers in This Issue.**BROAD-LEAVED EVERGREENS.**

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SPHAGNUM MOSS, AND PEAT.

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NEWS NOTES.

Mineral Ridge, Ohio—A greenhouse plant has been established here by Robert Harris.

Boone, Iowa—Martin J. Lockard has sold his greenhouse and florist business to I. O. Kemble.

Ridgefield, Conn.—George Davis has leased the greenhouse formerly run by George L. Haight, and will continue the business.

Knoxville, Tenn.—275 acres of land have been purchased of the Standard Nursery Co. by the Knoxville Nursery Co. for \$8,000.

Geneva, N. Y.—T. W. Rice is building a 150 by 200 foot storage cellar on land recently purchased. He intends to grow a general line of nursery stock.

Washington, D. C.—The Florists' Exchange has negotiated for a piece of property at 1214 H street, N. W. They are moving into it now and will remodel to suit themselves.

Woodside, L. I., N. Y.—Charles Smith has leased the greenhouses of the late Wm. Amos estate adjoining his own and will run them in connection with his present business.

Brooklyn, N. Y.—Albert & Davidson, wholesale dealers in pipe and boiler tubes, are now in their new place of business, 217-223 Union avenue and 312-314 North 8th street, Brooklyn.

Norfolk, Va.—A co-partnership for the conducting of a floral business at 327 High street has been made between Mrs. M. S. Williams and W. P. Cotton. They will do business under the firm name of the W. P. Cotton Floral Co.

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CHICAGO NOTES.

Frank Davis, of R. R. Davis, Morrison, Ill., expects to build a new cucumber house 40x400 feet in the spring.

Anthony Belmont, who has a flower store on West 26th avenue, will open a second store at Polk and Centre avenues April 1st.

A trip to Bassett & Washburn's place at Hinsdale, Ill., found their formosum lilies looking fine and yielding a cut of 2,000 buds daily. They grow 35,000 bulbs.

Henry Tebbins, 1204 S. Ashland avenue, who was shot as he was alighting from a street car at 19th and State streets, is not seriously injured. The young man will be able to tend to business again in a couple of weeks and has had a very fortunate escape.

The wholesalers are still keeping up their game of "pussy in the corner" and no one is willing to state where he will move to if, indeed, he has the knowledge himself. Without doubt they will all be doing business after the first of May, with new leases in their safes and not be found very far from the same old corner.

Two years ago all except what is known as the down-town district in Chicago was renumbered according to a system of 100 to a block using the intersection of State and Madison streets as a starting point. The business district is now to be changed and when this is done, April 1st, the city numbering will be completed. All the wholesale florists will have new numbers for their places of business, but the change is a good one.

Personal.

G. H. Pieser is gaining steadily and when the spring opens hopes to again resume his place in the office at Kenicott Bros. & Co.

Mr. and Mrs. W. E. Wallace, of Eaton Bay, England, are visiting the large greenhouse establishments here. They were accompanied from Richmond, Ind., by E. G. Hill and J. Evans, who will remain a few days. Mr. and Mrs. Wallace will leave the last of the week for an extended trip through the East before returning to England.

Visitors: Mr. and Mrs. W. E. Wallace, Eaton Bay, England; Frank Davis, of R. R. Davis Co., Morrison, Ill.; E. G. Hill, Richmond, Ind.; John

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

HELP WANTED

HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. National Labor Exchange, 918 Walnut St., Phila., Pa. HENRY C. PRICE

WANTED—By large nursery, young man, 21 to 24 years of age, with some knowledge nursery work, to do some office work and show people over nurseries. Salary \$12.00 week to start, excellent chance to advance. J. E. care HORTICULTURE.

SITUATIONS WANTED

GARDENER.

Florist, 36, married, no children; well versed in any kind of flowers, vegetables, greenhouse and landscape work; wish position in private place; capable to handle men; first class recommendations. Alexander Buteaux, gardener, Noroton, Conn.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

Evans, Richmond, Ind.; B. Yonkers, Grand Rapids, Mich.; Carl Hirsh, Hillsdale, Mich.; Mr. Eldridge, Belvidier, Ill.

ST. LOUIS NOTES.

George Schrieper, who has charge of the cut-flower and supply departments at Kuehn's wholesale house, St. Louis, was married last week to Miss Fredonia Primble of East St. Louis, Ill., where the happy couple will make their home. George has a great many friends in the trade here who wish him and his bride all the good luck in the world.

There will be quite a lot of meetings of the different local florists' associations next month. They are the St. Louis Florist Club, Thursday, March 9; The Retail Florists' Association, Monday, March 6th; The Engelmann Botanical Club, Monday, March 6th; the Executive Board of the Horticultural Society will also meet some time next week. The local nurserymen will soon get together and talk over matters for the coming meeting of the American Association of Nurserymen which meets here in June.

The Aphine Manufacturing Company seems to continue on its victorious way, judging from the high testimonials to the value of its new Fungine as given in their advertisement this week, which see.

During Recess

Gardeners' and Florists' Club of Boston.

The annual banquet of this lively organization was held on Tuesday evening, February 28, and was a glorious success from start to finish. The banquet, attended by about three hundred members and ladies in evening array, took place in the lecture hall of the Horticultural Building and the big exhibition hall was reserved for the grand march and dancing which followed the feast of reason and flow of soul which supplemented so acceptably the well-directed efforts of the banquet committee and Caterer Whittemore. The halls were beautifully adorned with plants and flowers, George Anderson having again generously devoted a whole afternoon to this laudable purpose and the contributions of flowers, etc., from members and others being very fine. After the appeasement of the inner man (and woman), President Miller voiced a hearty welcome to members and invited guests and introduced Wm. J. Stewart, senior ex-president, as toastmaster. The first speaker was Walter Ballantyne, acting-mayor of Boston, who gave eloquent tribute to the influence of the club in Boston's park work and civic refinement. W. W. Craig spoke forcibly on behalf of the Private Gardener and Peter Fisher for the Commercial Grower. One of the most welcome guests was President Charles W. Parker of the Massachusetts Horticultural Society, who followed Mr. Ballantyne and expressed in hospitable words the maternal feelings of the mother organization towards her lusty progeny, the Gardeners' and Florists' Club. Interspersed between the speeches were duets by Mrs. McKeon and John Miller, and solos by these singers, readings by Miss Connolly, character dancing by the Misses Irvine, zither solos by Louise Eisenhardt, and solos by Neil Miller, together with characteristic and pertinent comment by the toastmaster.

At 9.30 the grand march was on headed by President Miller and Mrs. Parker, C. W. Parker and Mrs. E. M. Gill, Secretary Craig and Mrs. Craig, Treasurer Fisher and Mrs. Fisher and Mr. and Mrs. W. J. Stewart. Then came the dancing, which the young people enjoyed until the last moment under the able management of Wm. McGillivray and his aids. The reception committee under Chairman P. J. Turley did its duty in excellent manner and Miss J. S. Rifford as accompanist, and Hutchins' Orchestra, all filled their part to perfection.

A Good Time at Bar Harbor.

The third annual concert and ball of the Bar Harbor Horticultural Society took place Friday evening, February 24th. The event was a grand success, some 75 couples taking part in the grand march, which was led by Clifford F. Cains and Miss Frances Moran.

The committees in charge were as follows:

Floor manager—Richard Morris. Aids—James Morrison, Benj. A. Gower, John H. Stottford, Isaac Hillison and Martin Brewer; Reception Committee—Edward Kirk, Wm. T. Burton, Wm. Miller, B. S. Higgins, M.

C. Morrison and Hon. B. E. Clark; Decoration Committee—Chas. L. Shand, A. E. Chitman, John Reuwitz and Joseph Kirby; Refreshment Committee—T. P. Jones, Clifford F. Cains and James Cranford.

This society, although young is in a good vigorous condition, having something like two hundred members in good standing, with several of the cottage owners as life members. The officers are: Geo. B. Dorr, president; Lewis B. McEgg, first vice-president; Wm. Miller, second vice-president; Bernard Morris, third vice-president; Chas. L. Shand, clerk; A. C. Chilman, financial secretary; Wm. T. Burton, treasurer; John H. Stottford, sergeant-at-arms. C. L. S.

Buffalo vs. Rochester.

A very enjoyable evening was spent on Thursday last when our brother florists from Rochester paid us a visit for which a match game of bowling had been arranged. A good delegation met them at the depot and escorted them to the Hofbrau for dinner. A very comfortable hour was spent there before going to Oertels' alleys where the remainder of the club members were in waiting.

ROCHESTER.		BUFFALO.	
Jenny,	159 171 174	Neub'ck,	165 191 150
Phillips,	166 159 138	Street,	115 159 160
C. Vick,	127 ... 148	Kasting,	175 156 153
Ham,	105 143 ...	Cld'sley,	130 130 160
A. Vick,	134 134 143	S'nd'f'd,	169 188 155
M.K'l'r,	... 104 ...		
F.Kell'r,	... 130 ...		
	691 744 733		754 824 778

Three games were bowled and the above shows results, much in favor of Buffalo.

After the match game a fine spread was prepared, after which a match was found between Geo. Jenney and Bart Davis of Rochester, with Sam Wallace and Geo. McClure of Buffalo, the latter taking all three games. Six games for one night; enough said, Buffalo means business.

A return match will be had in Rochester on Wednesday evening, March 8th, and a good bunch of the Buffalo rooters will go down to cheer the home winners. Felix Albert, a former Buffalo florist was with the Rochester rooters.

Chicago Bowlers.

The Chicago Florists' Bowling Club will play the Milwaukee team in their own city March 19th. At their regular meeting, Feb. 22nd, the Chicago team made the following scores:

ROSES.		CARNATIONS.	
	1st 2nd 3rd		1st 2nd 3rd
Wint's'n,	134 148 76	Krauss,	149 189 114
Klunder,	115 129 158	Ayers,	163 190 157
Foster,	145 143 190	H'bn'r, jr.	192 107 105
Wolf,	186 178 148	Schultz,	176 171 182
		A. Zeck,	170 166 187

ORCHIDS.		VIOLETS.	
	1st 2nd 3rd		1st 2nd 3rd
H'bn'r, sr.	131 160 131	Wint's'n, jr.	114 58 81
Zeck,	116 223 199	L'f'm'n,	132 124 99
Graff,	166 179 165	F'r'm'n,	129 136 166
Degman,	143 125 144	Lorman,	121 135 170
Farley,	178 143 139	Riley,	158 159 161

New York Bowlers.

Last Friday evening the following scores were recorded:

Scott,	145 134 175	Holt,	107 129 112
Shaw,	106 123 145	Feurich,	149 127 103
Nugent,	107 125 97	Perly,	139 97
Moltz,	138 117 129	Young,	107 116
Kakuda,	95 119 102		

Astoria Bowlers.

The following scores were made at

the meeting, Astoria, L. I., N. Y., Thursday evening, February 23:

Sieb., W.,	172 154 135	Kessler,	131 150 148
Shaw,	164 151 120	Lorenz,	111 154 123
Ebel,	99 98	Sieb., H.,	131 183
Sieb., Jr.,	165 181 112	Jac'bs'n,	114 102 128
D'n'ld's'n,	128 110 124	Eichm'n'n,	175 160
Miesem,	158 121 170	Heintz,	99 100
Eism'n,	140 153 164	Moltz,	101 105
Dr'h'fer,	161 148	Bl'ckw'n,	141 123
Edmist'n,	102 135 120	Arnold,	100 111

The prize for high score presented by M. C. Ebel was won by H. Siebrecht. As the score shows, the donor of the prize made a special effort not to win it himself. Next meeting will be Ladies' Night.

PHILADELPHIA NOTES.

The American Peony Society held an executive meeting here on the 1st inst.

W. Atlee Burpee left for a brief sojourn in Florida and other parts of the sunny south on the 23rd inst.

B. Eschner, of M. Rice & Co., reports their Easter business far ahead of last year in advance booking. Their factory is now working overtime three nights a week. The demand is especially heavy on plant baskets.

Capt. Burnett Landreth of the Landreth Seed Co., is also among the Florida sojourners. He will make a flying visit incidentally to Cuba (before returning to Philadelphia) on behalf of some business interests he has there.

The sunny south will have a chance to look on the smiling countenance of the only M. Rice, of M. Rice & Co., who sailed on a well-earned vacation from New York on the 25th ult., accompanied by Mrs. Rice. The sojourners expect to return to Philadelphia in about two months.

I. C. Townsend, of Merchantville, N. J., gave an interesting lecture on hardy perennials at Michell's on February 27th. There was a good attendance of the general public and the lecturer was followed with close attention and highly applauded. These monthly talks are doing a great amount of good.

Do not forget the two big events of next week, the King lecture on greenhouse construction at the Florists' Club on Tuesday evening, March 7, and the trip to the new Dreer place at Riverview, Wednesday, March 8th, leaving Market street ferry at 2 p. m. Latter event as guests of Messrs. Dreer. Return 5.45 p. m. All members of Florists' Club invited, and same from New York, Baltimore, Washington and Boston.

"The prodigal son has returned," remarked Robert Gaul this morning. On being asked to explain he pointed to the big stacks of roses and other flowers now coming in—so our dense intellect was properly humbled and we now spell son sun. Mr. Gaul is an important factor in the dissemination of the celebrated P. M. quality, and does his prettiest to keep up the good repute of the house. As Shakespeare would say: "A pun! a pun my word." Is it any wonder the house shines for all, with such brilliancy among its personnel?

Visitors: William J. Halliday, Baltimore, Md.; H. La Valle, grower for J. H. Small & Sons, Washington, D. C.; P. Joseph Lynch, New Castle, Ind.; I. C. Townsend, Merchantville, N. J.; Mr. Bochman, grower for Stockton & Howe, Princeton, N. J.

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MARYLAND AGRICULTURAL COLLEGE.

The two weeks' Horticultural Course, which concluded at the Maryland College last week, was a great success. The total enrollment was 65 members, including men and women interested in fruit growing. The course was as practical as possible, each member of the class was required to actually engage in pruning, grafting and packing fruit. They were also given practical work in the control of insect pests and plant diseases. A special demonstration was held, and all the different makes of pumps, including power sprayers, were seen in action. Special lecturers were secured, among them being, Professors W. M. Scott, A. L. Quaintance, E. F. Phillips, and H. P. Gould, all of the Department of Agriculture.

At the conclusion of the course, the president and faculty received the class and student body, at a public reception. At this time the two-weeks' students presented to the college a loving cup, as a token of their appreciation of the course and the courtesies extended by the officers and instructors. The course will no doubt be an annual occurrence hereafter.

A BAR HARBOR ESTABLISHMENT.

Last fall John H. Stalford purchased a lot of land together with the buildings thereon, situated in the rear of the Malvern Hotel, and known as the Malvern Greenhouse property. He also purchased from the Amory estate a tract of land including Amory Lane. Land has been cleared, stables and sheds torn down and the old greenhouses removed, and in their places new greenhouses have just been completed, making a range of 11,000 feet. Melons, grapes and carnations will be grown. The houses were built and heated by Lord & Burnham Co. A Castle circulator has been installed.

A PROSPEROUS NURSERY.

Together with the recently purchased Framingham Nurseries, W. H. Wyman of the Bay State Nursery, North Abington, Mass., now has the largest nursery property in New England—aggregating upwards of 500 acres. At Rockland are located the propagating houses and twelve acres of hardy herbaceous plants. A two-story packing-house and box factory, 60 x 120, has lately been added to the North Abington equipment together with a concrete structure for fumigating purposes. Orderly arrangement and business ability of a high order are everywhere apparent.

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Price per crate		Price per crate	
1500 2 in. pots in crate \$4.88		144 6 in. pots in crate \$3.26	
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1500 2 1/2 " " " 6.00		60 8 " " " 3.00	
1000 3 " " " 5.00		HAND MADE	
800 3 1/2 " " " 5.80		48 gin. pots in crate \$3.60	
500 4 " " " 4.50		46 10 " " " 4.80	
450 4 1/2 " " " 5.24		24 11 " " " 3.00	
320 5 " " " 4.50		24 12 " " " 4.80	
210 5 1/2 " " " 3.78		12 14 " " " 4.80	
		6 16 " " " 4.50	

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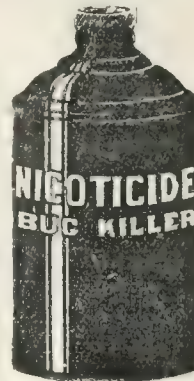
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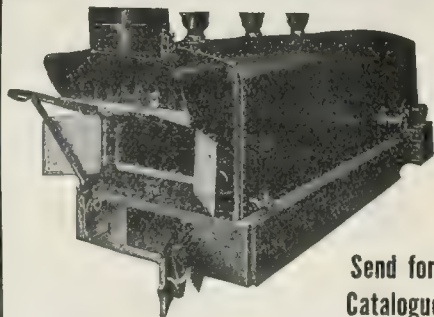
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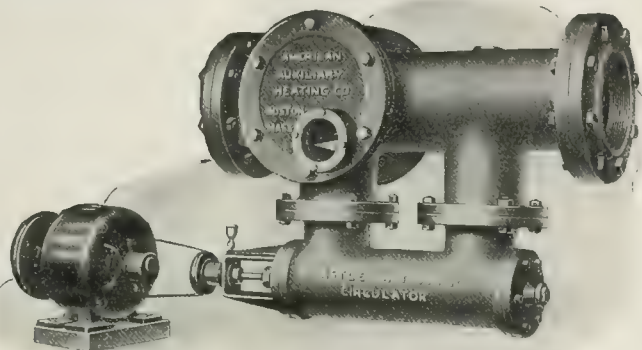
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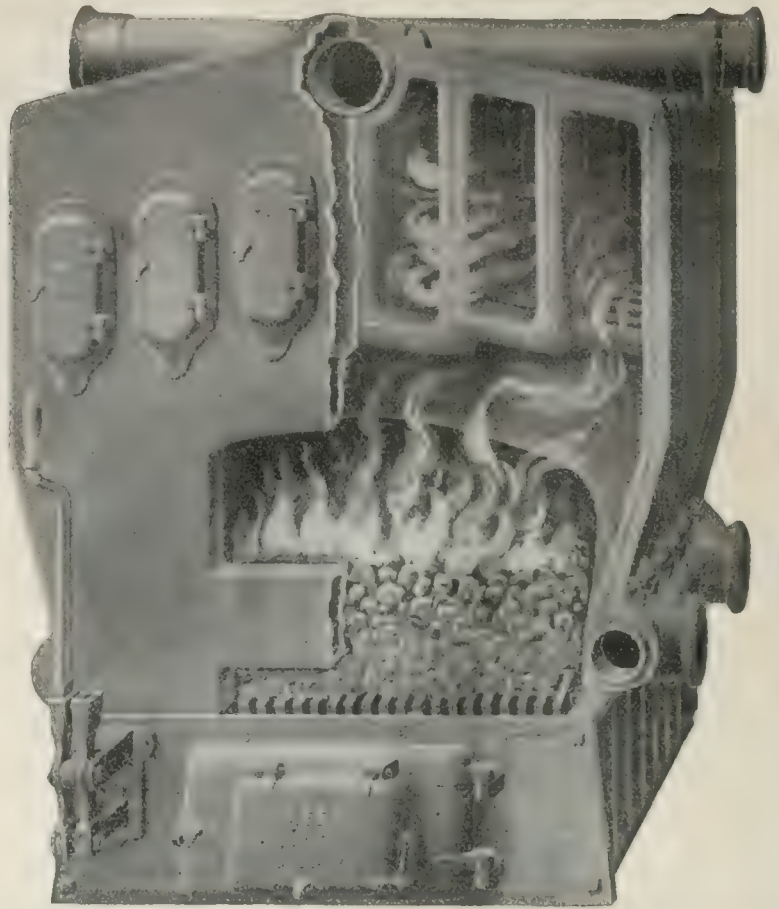
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HORTICULTURE

Vol. XIII.

MARCH 11, 1911

No. 10



LUPINUS POLYPHYLLUS ROSEUS

February Seedlings, Photographed in August.

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THE BAY STATE NURSERIES,

North Abington, Mass.

In writing to Advertisers kindly mention Horticulture

Lupinus polyphyllus roseus

(See Cover Illustration.)

Perennial lupins are ornamental garden plants, known to be unusually hardy. This explains their great popularity throughout northern latitudes. In regard to preparation of soil and care, the requirements do not go beyond the ordinary line. As a rule lupins are very free in their seed production and by means of outdoor sowing plants can be raised in a very short time, hence their wide distribution and frequency, especially in remotely located rural districts. Under proper treatment in the perennial border lupins rank among the showiest of our old garden inmates. No one seems to admire them more than our metropolitan summer residents. This sentiment has been greatly stimulated by the recent introduction of *Lupinus polyphyllus roseus*, a variety from England with flower spikes of a clear pink shade of wonderful lustre. Its best improvement consists in the remarkably long period of flowering. The old purple and white sorts being at their best in June, bloom very little after this time, while the new pink type continues in its constant produce of spikes until October. Care should be taken, however, to always remove old flowers as soon as they become unsightly. To prevent the plants going into seed is a necessity if ready branching out and a steady and rich floral effect is desired.

Out of a first-class strain of seed a comparatively high percentage of plants true to color can be procured, which, if started early enough are very apt to even flower the first summer. For immediate mass effects, especially in all cases where for reason of a certain color scheme, pure shades are needed, two-year-old plants, previously assorted, should be given preference.

The value of *Lupinus polyphyllus roseus* as a cut flower is limited, but its high decorative merit for the purpose of floral outdoor displays cannot be questioned. By all means, at least throughout the north, the gates of every American garden should be thrown open for this new pink variety.

Richard Roth

Northeast Harbor, Maine.

Crowded Peach Trees

In many gardens these trees are left far too close together, and now is a good time to remedy the evil. I have seen trees so crowded that it was impossible for the next season's wood to mature. Peach pruning with the beginner is not so simple as one would think, and many err in leaving too much of the old wood and too much growth for the allotted space. It is far better to err on the side of thin trees than crowded growths as new wood can be left where there is space enough to do so. Judicious thinning and the removal of weak and superfluous growths in the summer materially reduces the need for severe winter pruning. Peach trees should not be cut back, which is often practiced, but should be permitted to cover a larger space. In these days when young trees must be fruited early there is no gain, once the tree is formed, in cutting back. Far better extend and mature the growths. Grow thinly from the start and secure larger fruit and of better quality.

Joseph Tillson

Fruit and Vegetables Under Glass

REPOTTING YOUNG VINES

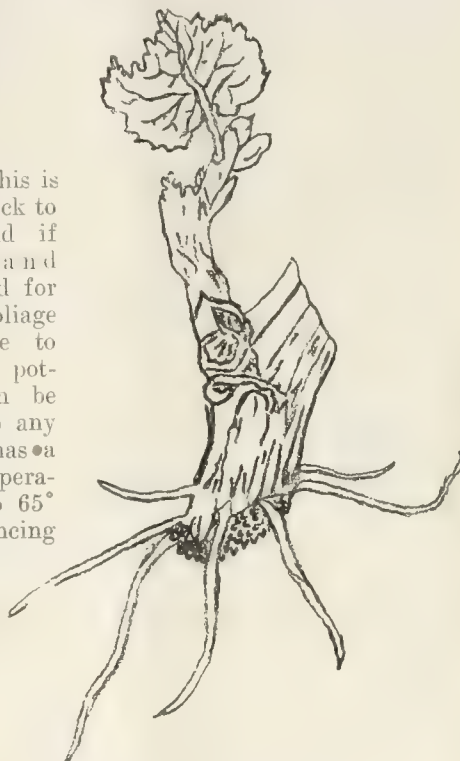
Vine eyes that were started early in February will now be rooting through the soil in the 4-in. pots in which they were started. Pot on into 6-in. before the roots become cramped, using good, fresh loam with enough lime rubble and charcoal to keep it open. Clean and well-drained pots should be used, otherwise the ball may be broken when being turned out for the



No. 1.—Eye ready for inserting in soil; cut on underside, giving it a double chance of rooting.



No. 2.—Eye without under-cut.



No. 3.—Safely rooted eye, showing top growth and roots; eye made as in No. 2.

Two-year-old canes are usually used as fruiting

canes. These are decidedly stronger than a one-year-old, but the latter usually breaks away earlier and will carry four or five bunches. If canes are to be grown on two years before forcing eyes are best inserted any time through March and grown on in 6-in. pots the first year, pruning back to one eye before starting the second season's growth, and potting on into "twelves."

ORCHARD HOUSE

Apples, pears, plums, cherries, etc., will now be in flower. Keep night temperature about 45°, giving all the air possible through the day. Orchard trees do not command such a dry atmosphere when in flower as a vine. The walks, etc., can be damped around early mornings and, after fertilizing at noon, it is beneficial to give the trees a fine spray over. If cherries are included in a mixed house they should have the coolest end and have a little more air admitted to them. If the weather permits keep a crack of air on the house all night. Cherries refuse to set if kept too close or too warm.

HEELING IN PEACH TREES

Trellis trees after having all superfluous growths removed will commence to grow rapidly. These young growths want taking in hand at once if the best shaped tree is to be obtained. When about three or four inches long a tie should be put around each growth, pulling them into their right places; after this no tying will be necessary for some time—the growths growing in the right direction. If this heeling-in is not done when the shoots come to be tied in later they will always have a bend in them instead of being straight.

CUCUMBERS

With the increasing sun power cucumbers will need an increasing supply of water. Never allow them to get on the dry side. Admit a crack of air at 80° and keep atmosphere as humid as possible, closing down soon after noon and spraying thoroughly if sun is bright, taking care to have plants dry before night. Cucumbers will not need shade for some time yet. Better results are obtained by keeping them used to bright sun.

MISCELLANEOUS VEGETABLES

Shift artichokes on as roots show through. By the time it is safe to plant out these will be good plants in 6-in. pots.

More onions and leeks can be sown and pricked off into flats and ready for planting out later. A few egg

plants can be sown and placed in a warm house to germinate.

Tomatoes for planting out in the field should be put in and brought along. A batch of plants worked up into pots will pay for the extra trouble spent on them by furnishing fruit two or three weeks ahead of the main crops.

Early celery should be sown in well-drained flats, using a compost of equal parts loam and leaf soil. Seedlings will be stronger by having plenty of light and air and be less liable to damp off. Celery likes an abundance of water during the whole growing season and should never be allowed to become dry. Celery seedlings will stand more than is usually advisable to give to other seedlings.

Lettuce can also be sown in quantity, growing on cool and hardening off with other stuff before planting out.

George H. Benson

Duke's Park, Somerville, N. J.

NOTE:—The drawings used in these notes are copied from Barron's Book on Vines.

Mr. Benson's next notes will be on the following: Inarching and Grafting; Thinning Grapes; Strawberries; Melons; Early Beans and Peas; Herbs.

If You Have Anything to Sell to Florists, Seedsmen or Nurserymen:—If You Want to do Business with the Big Responsible Horticultural Houses that are Worth Catering For: TELL YOUR STORY in the

FLOWER SHOW SPECIAL

OF

HORTICULTURE

It Will Reach Them at the "Psychological Moment" Right On The Spot. Goes to Press March 23.

HURRY ALONG YOUR COPY

Seasonable Notes on Culture of Florists' Stock

BULBS

It is not always easy to time the various species under this head so as to be just right for Easter. There is not much trouble in forcing bulbs, especially if you know your stock is furnished with an abundance of active roots. Daffodils, hyacinths, tulips and others belonging to this class that are buried outdoors or under the protection of some frame, should be brought into a cool house not later than the 20th of this month, if intended for Easter trade. In forcing these bulbs at this season it is well to figure on from three to five weeks. Tulips need about 70 degrees until the bloom is developed and should then be gradually hardened off in a cool house. Always select a cool bottom to place them on, but a warm atmospheric temperature overhead. To bring about an exquisite blending of their delicate tints which enhances their value when fully developed they should be placed on a cool bench in a semi-dark place. This is also good for single hyacinths, while, on the other hand, narcissi and hyacinths are better when grown slowly on in a temperature of from 55 to 60 degrees, with a moderate bottom heat.

CARE OF YOUNG ROSES

Roses that have been potted for some time and are pretty well filled with roots will now require a shift. When repotting provide good drainage by placing some potsherds in the bottom of the pots, and on this use the rough pieces of sod that are left when the soil is screened. Use the same soil that is employed in the benches, adding about a 5-inch potful of bone meal to a wheelbarrow load of soil. Pot firmly and give a good watering—enough so that the whole ball is made moist, but not mushy. Give them a front bench where they will get plenty of light and keep a temperature as near 56 degrees at night as possible, with a day temperature of from 70 to 75 degrees. See that a good syringing is not neglected on all good days or red spider will soon begin to assert itself. Fumigate lightly at least once a week. Go over the plants often and allow them a little more room from time to time. See if the ties are all right on grafted plants. Some may be too tight or too loose.

DIEFFENBACHIAS

These tropical foliated plants are exceedingly useful for various purposes. Old plants that have grown lanky can have the tops taken off and inserted in the warm end of a propagating bed, and the succulent stems can be cut into pieces of two eyes each and allowed about four days for ends to dry and then placed in sand where there is a brisk bottom heat; but see that they are not kept too moist, for they are liable to rot. Pot up into small pots when they have made a few small leaves in a mixture of leaf mold, chopped sphagnum and sand, and keep in a temperature of 65 to 70 degrees at night, with a proportionate rise in the day time. They should be protected from the sun's rays with a thin shade on the glass, or the plants will lose their fine color. They like a daily syringing overhead through their growing season. If it is desired to have perfect specimens they should be shifted, using good, rich soil, as the condition of their roots may require. When the desired size pot is reached they can be kept in good condition by the use of manure-water once a week.

SPIRAEAS

These plants can hardly ever be given too much water

as they are very thirsty subjects. They will require close attention for the next four weeks in order to produce nice flowers with good substance. When they have started to open their flowers they are better for a week's stay in a cool house. It is always better to have them a little early than the reverse. Give them some manure water twice a week until they show color, and keep the plants well spread out so as to let the light reach all around them. If far enough in advancement of flower, a temperature of 50 degrees will do, but for plants that are backward 60 degrees can be applied now and the last week before Easter gradually harden them off or they will wilt very soon after they have been cut, or when used for decoration. Be very careful about fumigation, as they don't like it.

SWEET PEAS

Early sowing of this crop outside is of great importance if a fine supply of flowers is expected. They should be planted as soon as the ground is in a working condition. The best place for sweet peas is in a position that is fully exposed to sun and air, which would be for the rows to run north and south. A good, deep loam that has been well enriched with plenty of well-rotted manure and plowed deep, with a surface dressing of bone meal and hardwood ashes, makes an ideal place for the production of plenty of fine blooms. Make a furrow or trench from 6 to 8 inches deep. Sow the seed thickly in the bottom of these trenches and cover with two inches of soil, pressing the soil down firmly. When they come up above the ground thin out to about two inches apart, for if plants are too close they will not attain their proper development. The balance of the soil should be filled into the trench as they grow. To keep the crop in a flowering state as long as possible they should be watered thoroughly and frequently during dry weather, also a mulch of manure or grass in hot weather will be found very beneficial. If possible give liquid manure once a week. This will help them to continue in bloom longer.

VANDAS

It is well to pick out some of the old sphagnum and resurface with chopped live sphagnum moss. Press in rather firmly around the roots. The aerial roots should be coiled around and pegged down on the top of the compost, where they will be induced by the extra amount of moisture to branch out and insert themselves in the sphagnum. Give shading just heavy enough to break the direct solar rays from the plants. A high degree of moisture should be maintained from this out. Give a sufficient quantity of fresh air daily, avoiding cold draughts which would tend to check the growth and produce other evils. Where they have had a winter temperature of from 60 to 65 degrees give them a gradual increase of ten degrees during the summer months, with gradually decreased temperature towards fall until by late in November they will be down to their normal winter temperature. With but a few exceptions all vandas will do satisfactorily under this treatment. *Vanda coerulea*, *V. Amesiana*, and *V. Kimballiana*, with some other Alpine species, like a temperature of about ten degrees cooler. At all seasons during bright days vandas should have a certain amount of water at the roots, with syringing over the plants.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Achlmenes*; *Cannas*; *Chrysanthemums*; Double *Pyrethrum*; The Perennial Border; The Propagation of *Dahlias*.

HORTICULTURE

VOL. XIII

MARCH 11, 1911

NO. 10

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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A good season We think it will be conceded by the flower growers generally that the season thus far has been a good one—better, in fact, than we had reason to expect, everything considered. The meagre mid-winter crops of which the rosegrowers and carnation growers have complained have been well offset by the steadily maintained market

values which, in their regularity and freedom from sharp fluctuations, have certainly established a record. We cannot, from now on, expect these conditions to continue. Undoubtedly there will be surpluses in all lines and the usual smashing of values which is sure to follow a congested market, but, taken all together, we think the season will be found, at the finish, to have averaged up as well as, if not better than, any in recent years. Indeed, the winter of 1910-11 has gone far to demonstrate for the flower-growing industry that quality of stability which is sure to interest and attract capital, and its record will have a direct effect on the business development in the immediate future. We look to see a lively spring season for the greenhouse builders.

Ballinger is out, at last. As one of the "hysterical body of headline readers," on whom the President has thought proper to make uncomplimentary comment, we confess to a sense of gratitude over the announcement of Ballinger's resignation and the appointment of a man in his place who is disposed to conduct his office with some regard for the public's property and to pay some attention to the patriotic, economic and scientific plans for the protection and conservation of our natural resources as advocated by his fellow citizens for the public good. It has been the conviction of a large proportion of the American people that the ex-Secretary of the Interior has been pursuing a mistaken and pernicious policy, ready to condone evasions of the law by predatory interests, and deaf to all appeals for protection of the public domain against the wild scramble to strip it of its wealth. It is high time to call a halt on the land grabbing and forest spoilation which has been going on, and in the passing of Ballinger a great forward step towards a patriotic policy in this respect has been taken.

But two weeks distant, the greatest horticultural exhibition ever undertaken in the western hemisphere, if not in the world, will swing open its doors to thousands of interested visitors from all parts of the continent of North America and from Europe also. The success of the National Flower Show is already assured—a three-fold success! Success in the number, size and rare quality of exhibits; success in universal interest elicited, in enterprise on the part of intending exhibitors and in the number and eagerness of coming visitors, and further, success in financing, as shown by the full subscription of the guarantee fund, by the unprecedented demand for trade exhibition space, sales of which now aggregate about three times the amount ever obtained on any former occasion by the S. A. F. and O. H. from this source, and by the indications already manifest, of an attendance far surpassing that of any previous Flower Show. The vast amount of work of the National Flower Show Committee and of the Local Board of Control, accomplished during the past year and a half, was earnestly undertaken, and has been assiduously carried out, and well deserves the golden harvest, which is even now in sight. All honor to Boston for her great achievement! Boston has been ever in the van of Horticulture in the United States, she is the centre of Horticulture today and she is now ready to bid visitors—come and all—from the old world as well as from the remotest corners of the new "Welcome, Thrice Welcome, to the Hub of Horticulture!!!"

THE DREER CELEBRATION.

One hundred and seventy-nine of the leading florists of Philadelphia, Washington, Baltimore, and New York visited the new range of greenhouses of the Dreer Co. at Riverview, N. J., on the 8th inst. A special train was chartered by the courtesy of this firm—who also served a collation after the inspection of the houses to their guests. Robert Craig was spokesman for the visitors, and returned warm thanks for a pleasant and profitable afternoon.

J. Otto Thilow responded for the firm, and read a telegram from William F. Dreer—who is at present in California—extending greetings to the visitors and congratulations to all those concerned in the wonderful feat of having erected three acres of greenhouses—a complete new establishment and all planted and in running order in twelve weeks. L. R. King president of the King Construction Co., was present, and did much to explain knotty points to the visitors, and received many congratulations on the good and quick job he had accomplished. J. D. Eisele, the manager of the Dreer nurseries also received his share of the praises going—as everybody realized that he was the man behind the gun—or as Mr. Thilow stated it—the fire behind the engine. A group photograph was



House of Variegated Pineapple.

general verdict. Even far-away Boston was represented in the person of our good friend Thomas Roland. The New York delegation was headed by

Messrs. Eisele, Strohle, Tull, Clark and other officers of the company were indefatigable in their personal efforts to make the visit agreeable to their



The New Dreer Range.

taken by Mr. Pancoast at the wind-up as a memento of the occasion. A very pleasant and profitable afternoon and one long to be remembered was the

John Birnie, who took fatherly care of his crowd, and among other things gave us entertaining dissertations on the shortcomings of King David.

guests. Captains of departments too numerous to mention, were ubiquitous and always on hand where the inquiry or the want of a guest expressed itself. We congratulate the company and all concerned on the beautiful and smooth arrangements, and the splendid and all round success of the outing.



House of Phoenix Roebeleni.



The Boiler House.

CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the geraniums, "Dr. E. M. Moore" and "A. B. Lamberton," by Robert Dukelou, of Rochester, New York, becomes complete.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Connecticut, offer for registration the roses described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

Double White Killarney: A sport of White Killarney originating with the J. A. Budlong & Son Co., Auburn, R. I., in January, 1910. It is stronger in growth than the parent, with the same general characteristics of foliage and growth. The flower is pure white in color, with an average of from forty to forty-five petals. It is a wonderful improvement over the parent, having size and substance in summer, when White Killarney is comparatively single. The variety will be disseminated by A. N. Pierson, Inc., in 1912.

Killarney Queen: A deep pink sport of Killarney originating with the J. A. Budlong & Son Co., Auburn, R. I., in 1909, that has the high color of Dark Pink Killarney with an increased vigor in growth. It compares among Killarneys as American Beauty does with other varieties, the stem and foliage being much heavier, and the petals nearly twice the size of the petals of Killarney. The variety will be disseminated by A. N. Pierson, Inc., in 1912.

Additional S. A. F. Appointments.

The following gentlemen have been appointed as state vice-presidents:

Massachusetts East, W. A. Hastings, Boston; Massachusetts West, G. H. Sinclair, Holyoke; Pennsylvania West, W. J. Smith, Pittsburgh.

Convention Notes.

The following letter has been sent to all the members of the society:

It has been ordered that each member in good standing, of the S. A. F. & O. H. and allied societies holding meetings and exhibitions in conjunction with the National Flower Show in Boston on March 25th to April 1st, shall be entitled to one members' season ticket admitting the owner to the exhibition hall. Only one ticket, however, will be issued to any one person even though he belong to several societies. These tickets will be non-transferable and will be collected and canceled if found in hands other than the owners.

In compliance with the directions of the President, orders for members' season tickets are being sent to all members of the S. A. F. & O. H. in good standing; that is to all those who have paid their 1911 dues or are Life or Pioneer members. These orders must be presented to the proper officials at the exhibition hall and be exchanged

for regular members' tickets. These orders must be presented by the owners in person as all orders presented by others than the owners will be taken up and canceled.

Be sure and bring your order with you as the duties of the secretary's office are such that it will be impossible for him to issue duplicate orders. This rule will be enforced.

If your order is not enclosed with this letter, send your dues for 1911 so as to reach the secretary's office before March 20th and the order will be mailed to you. If your dues reach here after that date your order may be secured at the secretary's office at the Exhibition Hall. Kindly give this your attention now and save much confusion at the time of the meeting.

A rate of one and three-fifths (1 3-5) on the certificate plan has been granted by the New England and Trunk Line Associations. The Southeastern and Western Associations have refused to grant rates owing to small numbers and 2-cent rate now in existence. The Central Association and Eastern Canadian Association will report early in March and their decisions will be presented in the trade journals.

You cannot afford to miss the greatest flower show ever held. *Come.*

All Life and Pioneer members and those annual members who have paid their dues for 1911 have received their orders for membership tickets.

It has been decided not to have headquarters for the S. A. F. at Boston. The statement that one Boston hotel was selected as headquarters was not official.

H. B. DORNER, Sec'y.

WORCESTER COUNTY (MASS.) HORTICULTURAL SOCIETY.

Wednesday evening, March 8, will long be remembered by the members of the Worcester County Horticultural Society and their guests as a gala night. No less than 350 sat down to the 21st annual reunion and banquet in Horticultural Hall, Worcester, and made merry with friendly intercourse and congratulation, music and eloquence and, finally, dancing. President E. W. Breed should feel highly elated over the splendid response to the Society's invitation to get together under its banner and talk of the past, plan for the future, and demonstrate by numbers and enthusiasm how strong the horticultural sentiment exists in "the Heart of the Commonwealth."

Among the invited guests who graced the festive board and made speeches in the post-prandial section of the occasion were: C. W. Parker, president of the Massachusetts Horticultural Society; W. P. Rich, secretary of that body; R. M. Bowen, treasurer Rhode Island Horticultural Society; Thos. Hope, president of that body; Rev. W. T. Hutchins, of sweet pea fame; S. T. Maynard, president New England Fruit Growers' Association; Hon. James Logan, mayor of Worcester; Chas. T. Tatman, president of the Board of Trade. President Breed officiated as toastmaster. The halls were beautifully decorated under the direction of Secretary L. C. Midgley.

FLORISTS' CLUB OF PHILADELPHIA.

One of the best attended meetings in years took place on the 7th inst., the attraction being the illustrated lecture by L. R. King, president of the King Construction Co., who delighted his audience with a plain unvarnished tale of structural work and interior mechanical arrangements. The photographs of actual work thrown on the screen were lucidly explained so that the most inexpert could easily understand, and a more educational or valuable exposition in this important development has seldom been given to the members of the craft. The committee who arranged for this excellent educative feature are to be highly commended. J. Otto Thilow has again shown in a masterly way how committees can lead in the march of progress.

Adolph Farenwald again brought up the matter of the Club's having a spring celebration in the shape of a banquet. Most of the members favored the congenial spirit in which Mr. Farenwald urged this, but the lack of some special occasion to celebrate seemed to hold back the enthusiasm. The matter was left in the hands of the committee. William H. Wanger, David Adam, George Hampton, and H. Wintzer were elected to membership and seven new members were proposed and referred for action to the next monthly meeting.

Samuel Batchelor exhibited a splendid vase of Dorothy Gordon carnations and received a very complimentary report from the committee. Some hypercritical members had a good deal to say about the similarity between this variety and Rose Pink Enchantress, but the committee side-stepped the issue very cleverly and came out with flying colors. In the absence of Joseph Heacock, who is attending to his senatorial duties in Harrisburg, the vice-president, Alfred Burton, accepted the chair.

CHICAGO FLORISTS' CLUB.

There was a good attendance at the regular meeting, Feb. 28th, and the following were elected to membership: Harry I. Gray, of Desplaines, Ill.; Wm. Wolf, 5708 Emerald avenue, Chicago; Robt. E. Newcomb, 84 Randolph street; Edw. Goldstein, 84 Randolph street; C. A. Beatty, 335 Dearborn street.

The transportation committee reported all arrangements completed for the trip to the National Flower Show at Boston. The train leaves the La Salle St. Station over the Lake Shore road March 23rd, at 5.30 P. M., reaching Boston March 24th, 8.30 P. M. As the transportation arrangements are all completed the special meeting scheduled for March 14 was called off.

There was an exhibition of carnations from Dornier's, Lafayette, Ind., in which Glorioso showed up finely and won 86 points. White wonder, however, arrived in poor condition and was not shown. Members were disappointed in not having the collection of new roses from A. N. Pierson's that was expected, as they arrived too late.

The April meeting will include on its program interesting papers on and discussion of fertilizers by those interested in the manufacture and sale of those products.

DETROIT FLORIST CLUB.

Club meeting on March 6, was very well attended and Robt. Jean, the new owner of E. A. Scribner's establishment, was elected to membership. E. A. Scribner was made an honorary member.

After the transaction of the regular business the members spent a most interesting hour and a half following ex-mayor Breitmeyer's very interesting narration of his recent trip to Cuba.

Mr. Breitmeyer told of crotons and acalyphas which grow to a height of 15 to 20 feet, arecas, dracaenas and bougainvilleas, the latter seen on most all houses, which is not very artistic because of its magenta flowers and the generally prevailing yellow paint on the houses. He said that all cities are paying great attention to the making of parks, boulevards and good streets leading into the suburbs. In fact they spend more money and build much more substantially than American cities do, as a rule. The government is trying out all kinds of vegetables. The growing of vegetables is in the hands of the Chinese and they produce most beautiful and tempting fruit and vegetables.

CLEVELAND FLORISTS' CLUB.

The Cleveland Florists' Club is going to have a special car, Cleveland to Boston, to attend the second National Flower Show. The Cleveland Florists invite all who can to join them on this train. Lets make this and Ohio Special. Cleveland is the logical starting point for Ohio and we should be able to bring a crowd of Ohio florists into Boston that would open their eyes. Don't "Let George do it." Go yourself and see for yourself what a National Flower Show is.

Lake Shore train leaves Union Station, Cleveland, Friday, March 24th, at 7.40 P. M., arriving in Boston 2.40 P. M. on the 25th. Railroad fare \$13.25 one way; lower berth \$3.50, upper berth \$2.80. Send in your reservations early as we may need two cars. Address Frank A. Friedley, Rocky River, Ohio, Vice-President, Ohio North.

CLUB AND SOCIETY NOTES.

The Greater New York Florists' Association held its first annual dinner and reception at Rau's restaurant, Brooklyn, N. Y., on Wednesday evening, March 8.

At the regular meeting of the North Shore Horticultural Society, March 3, Peter Miller, president of the Gardeners' and Florists' Club of Boston, was present with a paper on "Varieties of Grasses for Lawns." The paper was of great interest to the members present. A lively discussion followed, during which Thomas J. Grey brought out some points. Government inspection of seeds was discussed.

Among the interesting exhibits at the Spring Show of the Worcester County (Mass.) Horticultural Society, on March 2nd, was a remarkable group of seedling orchids raised by George McWilliam. *Cymbidium Whitiniana* (its first exhibition), *Calanthe Orpetiana*, *C. McWilliami*, *C. Whitiniana* and other gems of the orchid family were among them. L. C. Midgley, H. F. A. Lange and E. W. Breed were well represented in the various plant and cut flower classes.

A LINE OF NOVELTIES.

Messrs. Zirkman and Shoch are at the Quincy House, Boston, this week with a superb display of M. Rice & Co.'s florists' supplies comprising many rich novelties as well as staple goods. They occupy two large sample rooms and are doing a big business. Among the most attractive wares are twig, reed and willow baskets in innumerable designs finished in verde antique effect, a color basis with which the tints and shades of all flowers and foliage make harmonious combination. There are new ferneries, also, in this finish as well as gold. Bridal lace scarfs for use instead of ribbon are among the best sellers and they show a chaste parchment paper in watered-silk finish which is intended as a substitute for ordinary waxed paper in flower boxes of the finer class. Ribbons in two-toned effects, lavender ruscus wreaths for use with white flowers, etc., particularly after violet wreaths have gone by, are shown in fine array. There is a very large collection of metal wreaths for which orders are being taken for delivery after Easter for Memorial Day use.

CHICAGO HUSTLERS.

Our esteemed friend P. J. Foley of the Foley Mfg. Co., Chicago, calls our attention to the fact that in our account of the thirteen new greenhouses being erected by Pöhlmann Bros. we omitted to mention the main fact that his company had furnished all of the wood work as well as certain parts of the metal used in connection with the woodwork. Furthermore, he states that he is now shipping the woodwork for the second batch of 13 houses for Pöhlmann, which constitutes the next addition to this immense establishment. The poet says that

"Praise from a friend or censure from a foe
Are lost on hearers who our merits know."
Everybody knows Foley, *Verb. sap.*

A BEAUTIFUL NEW CATTLEYA.

John McFarland of North Easton, Mass., was awarded a silver medal by the Massachusetts Horticultural Society on March 4, for a plant of a seedling cattleya raised by himself. The seedling has not yet been named, but will within a short time. It is the result of a cross of *Cattleya Dowiana*, pollen parent, on *C. Lawrenceanum* McFarlandi. The characteristic gold striping of *Dowiana* appears in the throat but the lip and, in fact, the entire flower is larger than that of *Lawrenceanum*, while the color is so dark as to be almost red, the sepals and petals being only slightly lighter in tint than the lip. It has been pronounced by experts as unique. The plant bore two flowers.

CINCINNATI NOTES.

Thos. Windram left Tuesday, March 7, for a two weeks' visit to his asparagus farm at Leesburg, Fla.

Geo. Tromeys returned on Monday, March 6, from a week's visit to New Orleans.

Miss Margaret Anstead has returned from New Orleans and reported having had a delightful time attending the Mardi Gras carnival.

Eddie Bossmeyer, with C. E. Critchell, who has been on the sick list with grip, is again on duty.

OBITUARY.

Mary E. Habermehl.

Mary E. Habermehl, wife of Edward W. Habermehl, 2230 Diamond street, Philadelphia, died on the 6th inst. Mrs. Habermehl, we understand, died very suddenly after an operation at the hospital. Edward W. Habermehl is the junior partner in J. J. Habermehl's Sons, florists, to whom the trade extends sincere sympathy.

NEWS NOTES.

Rochester, N. Y.—David McGregor has purchased the business of George J. Morgan, 211 Lexington avenue.

Newport, Ky.—The florist business of the late H. Edwards, Alexander Pike, has been purchased by Anton Hummel.

Cleveland, Ohio—Harry Dow has purchased the flower and seed business of Miss M. Schueren, 4403 Loraine avenue.

Chattanooga, Tenn.—Chattanooga Nursery Co., I. W. Hunter, proprietor, has been purchased by J. C. Hale, who has taken possession of the property.

New York City—Judgment for \$335.00 is reported by Charles Millang to have been secured against the Valentine Company, David Bell, manager, 158 East 110th street.

New York—Another strike, declared by the drivers for the U. S. Express Co. on Friday last, carried dismay to the flower trade of this city and caused considerable delay and embarrassment for a few hours, but before night the trouble was amicably settled.

Lompoc, Cal.—Definite steps have been taken towards the erection of a warehouse for the Lompoc Seed Growers' Association. It is their intention to erect a building 75 x 300 feet as nearly fireproof as possible. Land adjoining the range has already been secured.

Clayton, Ohio—The range of greenhouses belonging to the St. Louis Carnation Co. has been purchased by C. De Wever and he is moving them to St. Louis, rebuilding already having commenced there. This will add four houses, each 25 x 100 feet, to his St. Louis range.

New York—Changes among the W. 28th street wholesale florist establishments are still going. James McManus will move from 42 to 57 as soon as the latter is vacated by A. H. Langjahr. Kessler Bros., now at 136-138, will move across the street to a new store now being remodeled.

New York, N. Y.—Two stores being remodeled at 111-113 West 28th street have been leased by Kessler Bros. One store and the greenhouses in the rear will be occupied by Kessler Bros., and the other store has been leased to the Growers' Cut Flower Co., who expect to occupy it about May 1st.

Sandpoint, Idaho—Arrangements have been made for the location here of a factory for the manufacture of non-rusting and non-breakable transplanting flower pots, patent of which is held by Will C. Hill of this city. Construction is expected to start shortly on a building 40 x 80 feet in which it is said will be employed fifty men.

CHICAGO NOTES.

Trade Items.

O. F. Larson has opened a retail store under the name of the Ogden Park Florist, at 1635 63rd street. Mr. Larson was in business for several years at Joliet and for the past year has been with Swain & Nelson.

It looks now as if a large number of Chicago florists would attend the National Flower Show at Boston, March 25th to April 1st. There is much enthusiasm and a large party will no doubt leave here on the Lake Shore road March 23 at 5.30 P. M.

A. C. Rott of Joliet, Ill., was in the city arranging for stock Monday. Mr. Rott makes a special feature of window advertising, bringing out something original for each holiday, and says he finds the time and money spent for these special days a good investment.

There are plenty of indications that the green and other artificially colored carnations will be in evidence again for St. Patrick's day. Nothing altogether new has been offered for an attraction on that day, and the sham-rocks will have their innings as usual.

Personal.

Miss Josepha Then has taken a position in O. J. Friedman's retail store.

Mike Fink has been missed from his accustomed place at Kennicott's the past week. He has been ill with grip.

L. H. Winkleton, who has been 16 years with Bassett & Washburn in their wholesale store, will leave after Easter to go into another line of business.

Ernest Farley and W. O. Johnson left the Percy Jones Co. last week. W. O. Johnson is now at Vaughan & Sperry's and J. Heidelberg, formerly of the A. L. Randall Co., takes his place.

PHILADELPHIA NOTES.

Alexander B. Scott is enjoying a very pleasant vacation at Hot Springs, Va. He expects to return in about a week.

We had a pleasant call from R. T. Brown of Cottage Gardens Co., on the 1st inst. We understand this company has discontinued the landscape feature of their business.

There will be a large delegation from this city to the National Flower Show at Boston—which opens on the 25th. Almost every other man you meet answers the inquiry promptly by saying, "Yes, I'm going."

We are pleased to report that one of the right-hand men of the Michell outfit (Israel Rosnosky), who has been confined to his room for two weeks with a severe case of the grip is mending slowly and hopes to be able to take

his place with Maurice Fuld and others in looking after the firm's interests at Boston during the continuance of the National Flower Show.

Robert Craig arrived home last week after a pleasant sojourn in the Isle of Pines, etc. Health much improved, sleeves rolled up, ears pinned back—and ready for the biggest spring business on record. It's fine to be chipper and cheerful!

Chas. Henry Fox will move in a few days to his new store, 223 South Broad street, a few doors below his present location on the same side. The property on the corner of Broad and Walnut streets has been sold to the Rentz-Santley Co., who will erect a hotel on same.

The "Prinz Oscar" arrived this week with a large shipment for M. Rice & Co., supplementing among other things their depleted stocks of lace corsage shields, bridal scarfs, Easter baskets, butterflies and lace bouquet holders.

This firm has had a tremendous run on their new designs in these items this season.

Among the visitors at the executive meeting of the Peony Society on the 1st inst., were: Bertrand H. Farr, Reading, Pa.; R. H. Humphreys, F. Mendelsohn Meehan and Harry Sim—the latter representing J. D. Eisele, of the Henry A. Dreer Co.

Visitors: Mr. Albert, manager for E. C. Campbell & Co., Rochester, N. Y., and about ninety-five other distinguished strangers from distant points—most of the latter being at the invitation of Messrs. Dreer, to inspect their big new range of greenhouses at River-view, March 8th; R. M. Ward, New York.

"Buds," the enterprising young New York seed house has presented a silver cup for award at the National Flower Show, in such class as the managers may select.

THE GREAT National Flower Show

MECHANICS BUILDING
BOSTON, MASS.

March 25th to April 1st, inclusive

Under Auspices
Society of American Florists
in connection with

American Rose Society, American Carnation Society,
National Sweet Pea Society, Gladiolus Society, National
Association of Gardeners, Florists' and Gardeners'
Club and the Massachusetts Horticultural Society.

Applications for Space in Trade and Competition
Departments now receivable.

Write for Complete Premium List
for the

\$10,000 in Prizes, and diagram of floor space to

CHESTER I. CAMPBELL, Gen'l Mgr.

5 Park Sq., BOSTON, MASS.

COPLEY SQUARE HOTEL

Huntington Avenue, Exeter and Blagden Streets
BOSTON, MASS.

Nearest hotel (only one block) to Flower Show. Rooms without
bath \$1.50 per day up, with bath \$2.00 per day up. European
plan. 350 rooms, 200 private baths.

AMOS H. WHIPPLE, Proprietor

During Recess

Nassau County Horticultural Society.

The Euchre and Dance held at Pembroke Hall on Monday night, Feb. 27, under the auspices of the Nassau County Horticultural Society was a brilliant success. The sale of tickets were limited to 300 and long before the date of the affair the entire supply had been disposed of and more could have been sold but under the circumstances it was impossible as the Hall was filled to its utmost capacity.

After the Euchre was over and the prizes distributed to the winners, the remainder of the night was devoted to dancing which was kept up until the "wee sma' hours." Miller's orchestra provided the music. Several couples also enjoyed some Scotch dances, the music for the latter was provided by Harry Tough on the bagpipe. There was also a supper which was enjoyed by all.

E. WESTLAKE, Cor. Sec'y.

The New York Banquet.

The outlook for the annual dinner of the New York Florists' Club, March 18, is very brilliant. A member of the committee reports that already practically every seat on the ground floor—230 chairs—has been sold.

Ladies' Night at Astoria.

Last week's session of the Astoria, N. Y., Bowling Club was Ladies' Night, about twenty being in attendance. There was a nice supper and plenty of bowling, the first prize, a pair of candlesticks, presented by Mr. Arnold, being captured by Mrs. Einsman. Among the other useful presents distributed were some capacious pocket-books.

Rutherford vs. New York.

A fine reception and lunch was given the New York bowlers by the Rutherford boys on March 1st at the Cronstadt alleys where the return match was held on March 1. Rutherford led by 60 in total pins and the noise and exultation of the Jerseyites can better be imagined than described. The scores follow:

RUTHERFORD		NEW YORK.	
H's's'h'n,	167 163 156	Ch'dw'k,	163 174 184
Teller,	135 180 160	Manda,	145 149 170
R'hrs, E.	105 183 168	Shaw,	157 110 141
Richter,	137 128 114	R'k'ds, A.	90 106 156
R'hrs, J.,	79 106 148	R'k's, W.	110 97 115

Chicago Florists' Bowling Scores.

ORCHIDS.			ROSES.		
	1st	2d 3d		1st	2d 3d
Hueb'n'r,	146	176 163	Craig,	103	111 165
Graff,	169	150 176	Sweeny,	106	103 184
H'b'r Jr.	104	138 137	Meyers,	148	146 140
Deguan,	132	159 134	Katzel,	101	120 140
Farley,	151	197 138	Fisher,	158	111 149
CARNATIONS.			VIOLETS.		
Kraus,	146	154 149	E. Wi't'n,	79	84 69
Ayers,	167	134 172	C. Sch'n,	141	120 120
Go'risch,	164	175 125	Fr'dm'n,	197	165 137
Schultz,	126	125 145	Riley,	104	156 126
A. Zeck,	161	182 157	Lorman,	101	115 136

Cincinnati Bowlers.

Following are the scores bowled Monday, March 6, 1911:	
C. Critchell,	137 158
Sund'rbruch,	168 211
W. Murphy,	117 124
E. Murphy,	101 182
C. Hoffm'ter,	149 100
W. Schum'n,	123 158
J. Allen,	138 155
A. Heckman,	131 159
O. Hoffm'ter,	100 103
E. Schum'n,	176 166
Witterst'r,	129 180
A. Horning,	151 122
T. Jackson,	150 176

The Thorndike Hotel

Boylston St., opp. Public Garden, Boston

Recognized as one of Boston's Best Hotels. Suited to the requirements of tourists — and the best class of Business men and their families.

Rates Per Day

Single Rooms \$1.50, \$2.00, \$2.50; with Bath \$2.00 to \$4.00. Double Rooms \$2.50 to \$4.00; with Bath \$3.50 to \$6.00. Parlor, Chamber and Bath \$6.00 to \$10.00.

"Ye Old English Room"

Conspicuous for its cuisine and service. High class and same standard as the best New York restaurants.

Visitors to the National Flower Show Should Book at the Thorndike, Five Minutes From Mechanics Building

BOSTON'S MOST POPULAR HOTEL



Reserve your accommodations for the National Flower Show NOW.

THE BRUNSWICK
Boylston St. and 1/2 Copley Sq.

European and American Plan

HERBERT H. BARNES, Prop.

HOTEL WESTMINSTER

Copley Square, Boston.

C. A. GLEASON

INCORPORATED.

Greenville, N. C.—The Greenville Nursery Co., capital stock \$10,000. John H. O'Neal, president; W. S. Bradley, vice-president; J. B. Bruce, treasurer; J. J. McSwain, secretary; and W. P. Wilson, general manager.

Sodus, N. Y.—The Quality Fruit

Farm, Inc., capital stock \$120,000. T. J. McDill, formerly of Geneva, N. Y., manager. Six hundred acres of land fronting on Lake Ontario have been purchased and will be planted to fruit and nursery stock, three-fifths of which will be held by Teats Bros., of Williamson, N. Y.



ELLIOTT AUCTION CO.

Will open the Spring Auction Sales, Tuesday, March 14th at 11 a.m., and will offer a choice lot of Roses, Rhododendrons, Conifers, Boxwood, Privet, Bulbs, Roots, etc.

W. J. ELLIOTT, - - Auctioneer
42 VESEY STREET, NEW YORK



The Toledo Jardinere and Stand

is a work of art. They are made from quartered white oak, golden finish and polished. Hoops, handles, etc., are made of polished brass. They stand 31½ inches high, 9½ inches in diameter.

Toledo Tree Tubs

are made of the everlasting red cedar. They have the extension stave foot, that holds the tub up from floor or carpet, this feature permits air circulation between the tub and the floor,

also prevents rot and decaying. They have electric welded galvanized basic steel wire hoops that will not rust or break. They are made in all sizes from two quarts to two barrels.

Write us for catalogue and prices

Sold by FOTTLER, FISKE, RAWSON CO.
BOSTON, - MASS.

Manufactured by
AMERICAN WOODENWARE M'F'G. CO.
TOLEDO, OHIO



ST. LOUIS NOTES.

W. J. Pilcher's new violet Mazzura is holding up remarkably and flowers and stems are as large as in mid-season. Mr. Pilcher says the flowers brought him big returns all season. When Californias sell at 50 cents per 100, the Mazzura brings \$1.00.

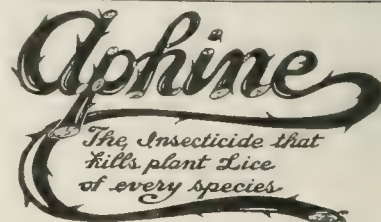
Friends of George Schriefer of Kuehn's, St. Louis, who was married recently, got together a good sized purse and purchased a fine cut glass water set which was presented to the happy pair. They were also presented with a handsome leather couch by C. A. Kuehn.

William C. Smith, president of the W. C. Smith Wholesale Floral Co., St. Louis, was married on March 9th, to Miss Helen West, of Edwardsville, Ill. The couple will spend their honeymoon with friends in Chicago and Mil-

waukee. Mr. Smith is treasurer of the St. Louis Florist Club and has many friends in the trade who wish them much joy and happiness throughout their married life.

Harry Young, treasurer of the St. Louis Horticultural Society, is a great worker in behalf of the society. Mr. Young says that the show this year will be the largest and best the society has yet held. The Chrysanthemum Society of America, which meets here at same time will also be a great help and attraction. The officers of last year hold over this year. The show will again be held in the Coliseum.

New York plant auction sales begin next week. See our advertising columns for information concerning this inevitable sign of approaching spring time.



You can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon; \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 per gallon; 75c. per quart.

FOR SALE BY SEEDSMEN

Send for name of nearest selling agent.

Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country.

APHINE MANUFACTURING COMPANY
MADISON, N. J.

FIRE RECORD.

St. Louis, Mo.—The flower store of W. A. Murray, 1254 Union Boulevard, was damaged by fire on February 24th; loss about \$500.

Floral Park, N. Y.—The residence of the late E. V. Hallock was practically destroyed by fire, February 19th; loss estimated at \$6,000.

Sandy, Utah—The floral establishment of B. C. Ward was destroyed by fire Tuesday, February 21st; loss about \$1500, no insurance.

Connellsville, Pa.—Through the burning of a neighbor's stable one of the greenhouses of George Schomer was destroyed with all its contents.

Pittsburg, Kan.—Fire starting in the steam heating plant almost totally destroyed Wright's Greenhouse on February 23rd. Loss about \$1,000, partially covered by insurance.

Hot Springs, Ark.—Fire starting in an unoccupied dwelling next the Vestal Floral Co.'s building destroyed both structures causing a loss of \$3000, partially covered by insurance. The Vestal Floral Co. purchased this property only about three or four weeks ago and had just installed a complete outfit.

Tobacco Paper

IS THE

STRONGEST,

BEST PACKED,

EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"

LIQUID

OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

**Furnishes the
Most Nicotine for the Money**

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

KILMDEAD
The best of all
the tobacco
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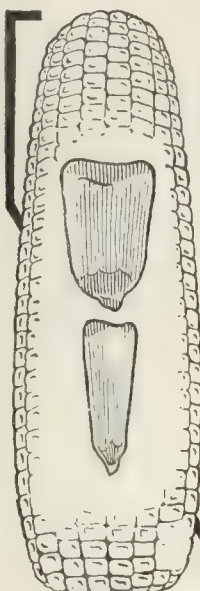
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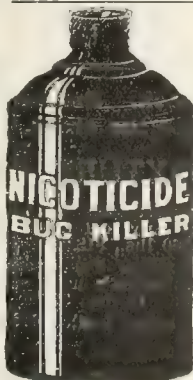
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*BLACK KNIGHT SPENCER, maroon	2.50	.75	.25	MRS. ALFRED WATKINS, light pink	.50	.15	.10
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KATHARINE TRACY, light pink and clear pink	.30	.10	.05	SHAZADA, maroon	.30	.10	.05
*KING EDWARD SPENCER, crimson-scarlet	2.50	.75	.25	*SAINT GEORGE, crimson-scarlet	1.50	.50	.20
KING EDWARD VII, crimson-scarlet	.75	.25	.10	*SUTTON'S QUEEN, light pink, buff and pink	2.00	.75	.25
LOVELY, light pink shades, etc.	.30	.10	.05	*TENNANT SPENCER, mauve and blue	2.50	.75	.25
*LOVELY SPENCER, light pink, buff and pink	2.50	.75	.25	WHITE WONDER DOUBLE, pure white	.30	.10	.05
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Fancy Varieties, either rooted cuttings, or plants from 2¼-inch pots, our selection, 250 at the 1000 rate.

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The National Horticulturist, a fruit-growers' periodical, the official organ of the "National Horticultural Congress," has been reorganized and will be published hereafter by O. O. Buck, of Council Bluffs, Ia.

A bill—Assembly Bill No. 349—has been introduced in the New Jersey legislature by Mr. Burke providing for the erection of a range of greenhouses at the New Brunswick station for horticultural experiment purposes and the prospects look favorable.

¶ Lily bulbs have two arch enemies—green-fly and too much water. When lilies are bad, one or both prevails as a general thing. Of course, sometimes the bulbs are at fault but 75 % of the time they are not. Any grower who permits his lilies to be infected with green-fly don't deserve good lilies. He has no more business to allow green-fly on his lilies than he has to allow fleas on his body. Again a grower will permit a greenhorn to water the bulbs—whereas it takes a man who knows how and when. Any grower who buys Horseshoe Brand Giganteum lily bulbs and gives them the attention they deserve, cannot help but have first class lilies at any time of the year, with a minimum of loss. There are positively no better bulbs grown anywhere in the world and no one takes as much pains toward quality as the producers of the Horseshoe Brand Products.

¶ Of course, they cost more than others because they cost more to produce. But they don't cost more than they are worth. Try them.



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But How Good

Ralph M. Ward & Co.

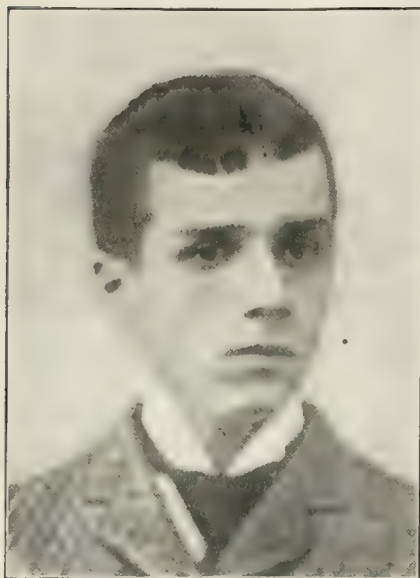
**12 West Broadway
NEW YORK CITY**

Hold Storage Giganteum and Speciosum ready for delivery now or at any time during 1911. Order now for summer flowering.

Seed Trade

A Virtuous Seedsman.

According to some of the misguided people in official positions, there is no such thing as "a virtuous seedsman." But we think all must admit that the seedsman whose picture we present herewith must be "virtuous" at least—if nothing else. This picture has been enlarged from an accidental discovery of a tintype of Howard M. Earl at the age of 16. Mr. Earl is now 42 years old and manager for the seed house of Burpee & Co., Philadelphia. If he was not virtuous at 16, then the inno-



HOWARD M. EARL

At the age of sixteen.

cent look of this picture bears false witness. If he is not without guile now, after 26 years' continuous service with the same firm, the present writer, among his hosts of friends all over the world, would like to see some one get up and say something. Mr. Earl, you are a standing menace to all those who accuse the seed trade of crookedness. You are a walking advertisement of sincerity, industry, and achievement in the advancement of the "Best Seeds that Grow"; not only powerful, but tireless and sleepless—as well as virtuous—in improving the quality and quantity of the farm and garden products of the country, and deserve a monument. May you live long and prosper. G. C. WATSON.

Notes.

Windsor, Ont., Can.—D. M. Ferry & Co., whose building here was

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York



The Man-who knows-always Sows
MICHELL'S "DISTINCTIVE" SEEDS

MICHELL'S
PINK BEAUTY LUPIN

Forces readily to bloom in six weeks from day of germination.

A Profitable Cut Flower.

Per trade pkt. 15c, oz. 30c, 4 oz. \$1.00

Write Today for Our 1911 Wholesale Catalog

Henry F. Michell Co., 518 Market St., PHILA., - - PA.

destroyed by fire last spring, has purchased a lot 90 x 100 feet, corner McDougall and Sandwich streets and plans are being prepared for a four story reinforced concrete building.

San Francisco, Calif.—Pending a settlement with its creditors the May Seed Co., Market street, is in the hands of the sheriff.

Meyer & Stisser who recently started in the seed business in Baltimore, report business thus far as being much beyond even their expectations. They are progressive and energetic young men and the trade will be glad to see them prosper.

PATENTS GRANTED.

- 983,952. Weeder. Gustav Thomas, Lind, Wash.
- 984,291. Convertible Harrow and Cultivator. Hector Olson and Christ M. Johnson, Morris, Ill.
- 984,363. Plant Protector. Joseph Edwards, Rochester, N. Y.
- 984,399. Tilting Rake. Ingvald Skjeldrup, Fergus Falls, Minn.
- 984,746. Seed-Tester. James H. Brown, St. Charles, Ill.
- 984,964. Greenhouse Bench. John Hugo Pladeck, New York, N. Y.
- 985,497. Soil Pulverizer and Leveler. Therides V. Barnard, Schaller, Iowa.
- 985,570. Combined Seeding and Cultivating Machine. Henry Cordes, Denver, Colo.
- 985,589. Planter. George F. W. Harris, Jr., Bunker Hill, Ill.
- 985,641. Clod Crusher. Frederick M. Stier, Atlantic, Iowa.
- 985,728. Combined Roller and Harrow. Henry Cordes, Denver, Col.

A collection of seedling gladioli, over 300 in number, produced by A. E. Kunderd of Goshen, Ind., has been purchased by Montague Chamberlain of Boston, and will be planted on his farm at Groton, Mass. Mr. Kunderd is best known as the originator of the Ruffled gladioli.

Mr. Chamberlain's is a new name among New England growers, though he is credited with having already a large and well selected collection.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

New Seed for Florists' Planting

We are rapidly getting our new stocks of all the various kinds of flower and vegetable seeds ready for orders. New **ASTER SEED CATALOGUE** and **WHOLESALE PRICE LIST** ready soon. Send for copies. In the meantime, if in need of any varieties handled by the best concerns, send your orders directly to us. The chances are we have it, and if so, it is of the best quality.

James Vick's Sons, Rochester N.Y.

ONION SEED—ONION SETS

We are extensive growers and dealers. Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., CHILlicothe OHIO

GREAT DROP IN COW PEAS

We offer at less than market prices **10,000 bushels** of all varieties of Cow Peas and Soja Beans.

Wire, phone or write for samples and special prices, freight paid to your station.

J. BOLGIANO & SON
WHOLESALE SEED MERCHANTS
BALTIMORE, MD.

Founded 1918



BEGONIAS GLOXINIAS
in separate colors

Asters in all varieties and in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - BOSTON



LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

ONION SETS
Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

GERBERA

Jamesoni Magnifica

An Improved Form of the beautiful Scarlet Barberton Daisy, originating with A. Jaeneke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.

"Superbloom" Valley Pips

Special Forcing Grade, \$12.00 per 1000 in cases of 2000 pips; also all other flower seeds and bulbs for florists and gardeners.

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,

Orange, Conn.

82 Dey Street,
New York City.

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

WEBER & DON

Seed Merchants and Growers. 114 Chambers St., N. Y. City

FINEST FLORISTS' SEEDS

Price list free on request

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
109-110 W. Kinzie St., CHICAGO

FUCHSIAS

LITTLE BEAUTY

LORD BYRON

TENNER

E. RENAN

WHITE BEAUTY

SKIDELSKY & IRWIN CO.,

Strong 2 1/2-in. pots

\$4.00 per 100

1215 Betz Bldg.,
PHILADELPHIA, PA.

Established 1820

**Thorburn's
Seeds**

For Florists and Market Gardeners.
All highest grade.

Catalogue mailed on application.

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

W. N. Scarff.

C. O. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Buffalo, N. Y.—George Cramer is
now with W. J. Palmer & Son, having
left Salter Bros., of Rochester.

Philadelphia, Pa.—Grover's Dia-
mond Flower shop will be moved
early this month to 3441 Ridge ave-
nue.

Brainerd, Minn.—J. R. Smith has
been appointed receiver for J. A. Mc-
Lellan, the Laurel street florist, who
failed recently.

Louisville, Ky.—The American
Floral Co., capital stock \$10,000. In-
corporators: John S. Skrobanek, H.
Oswolt and others.

Somerville, Mass.—Frank Reynolds
has closed his flower store in the Cen-
tral Building, Davis Square, and has
taken a position as salesman.

STEAMER DEPARTURES

American.

St. Paul, N. Y.-S'hampton...Mar. 11

Adriatic, N. Y.-S'hampton...Mar. 18

Anchor.

Furness, N. Y.-Glasgow...Mar. 11

California, N. Y.-Glasgow...Mar. 18

Atlantic Transport.

Minnewaska, N. Y.-London...Mar. 18

Cunard.

Franconia, N. Y.-Mediterr'n...Mar. 11

Mauretania, N. Y.-Liverpool...Mar. 15

Ivernia, Boston-Liverpool...Mar. 21

French.

La Provence, N. Y.-Havre...Mar. 16

Hamburg American.

K. A. Victoria, N. Y.-Hamb'g...Mar. 11

Graf W'dr'see, N. Y.-Hamb'g...Mar. 18

Holland-American.

Ryndam, N. Y.-Rotterdam...Mar. 21

North German Lloyd.

K'imp'z Wilhelm, N. Y.-B'm'n...Mar. 14

Koenig Albert, N. Y.-Medit'n...Mar. 18

Red Star.

Kroonland, N. Y.-Antwerp...Mar. 11

Finland, N. Y.-Antwerp...Mar. 18

White Star.

Laurentic, N. Y.-Liverpool...Mar. 11

St. Paul, N. Y.-Southampton...Mar. 11

Adriatic, N. Y.-Southampton...Mar. 18

Romanic, Boston-Mediterr'n...Mar. 18

Philadelphia, Pa.—The Lancaster
Blossom Shop, 3963 Lancaster avenue,
has been purchased by Leo Le Gierse,
who is making extensive improve-
ments.

Huntington, W. Va.—The Peters
Flower Store has been moved from
829 3rd avenue to their greenhouse on
8th street and 9th avenue until their
new store on 8th street is completed.

New York, N. Y.—Alexander McCon-
nell, now in the Windsor Arcade, has
taken a ten-year lease of the store in
the Belgravia apartment, northeast
corner of Fifth avenue and 49th street.

St. Louis, Mo.—The Porter-Shields
Floral Co., 12th street and Washing-
ton avenue lost \$125 from the safe in
their office recently. The police have
been asked to investigate and a for-
mer employee is suspected.

Dixon, Ill.—H. Fallstrom will oc-
cupy a building on East 1st street
which is to be constructed especially
for his use by the proprietor, A. C.
Warner. Conservatories will be built
in the rear of the building.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardspter.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Perfect Goods For Particular Florists

THE FOLLOWING ARE A FEW SUGGESTIONS ONLY

from an immense stock and unprecedented variety that we list

Plant Baskets, Plant Pot Covers, Fern Pot Covers. all sizes and all grades, all descriptions. In any basket ordered from us we can put zinc lining, as we manufacture these ourselves.

Bridal Baskets, Bridal Bouquet Holders, Debutante Bouquet Holders and Paper Bouquet Holders.

Chiffons, all colors and sizes. Waterproof and other exclusive styles. **Wax and Artificial Flowers. Waterproof Paper Pot Covers**, for all size pots, cheap and desirable, in any color. Our No. 3000 Crepe Pot Covers, to fit 3 to 5-inch pot, in all colors, \$1.00 per 100. **Waterproof Crepe Paper in Roll.**

Tin Foil, plain and colored; also a heavy Tin Foil for lining baskets. **Barks**, in all kinds, Birch, Cork and Cedar. **Natural Prepared Ferns**, the greatest variety in the United States. **Sphagnum Moss.**

Artificial Leaves, all styles, white and green. **Metallic Designs**, we are the manufacturers of these goods and can make any design you want. **Magnolia Leaves**, green and brown. **Beech Branches**, prepared, in all colors. **Immortelles**, in all colors.

Wheat Sheaves, our unexcelled brand in flat, standing or open. **Flexible Cycas Leaves.** Don't forget our **Imperial Chinaware**, and **Green Tone Pottery**, in all shapes. When you want real novelties, consult us.

BEAUTIFUL EASTER NOVELTIES NOW ARRIVING

THE Florist Supply House of America

[Without A Competitor]

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

PERSONAL.

John McNeerney has taken a position as designer and decorator with J. J. McManmon, Lowell, Mass.

Miss Marion Davis, daughter of Charles A. Davis, florist of Dover, N. H., was married to M. Reade Hall on February 22nd.

John Yolsner of College Point, N. Y., just recovering from pneumonia, has gone to Bermuda for a few weeks' recuperation.

William Fischer, proprietor of the

South End greenhouses, Southington, Conn., fell through a broken floor at his place of business and broke one of his ribs.

Ernest Philips, recently assistant gardener at "Castle Gould," L. I., has succeeded William Mackay as head gardener for E. T. Gerry, at Newport, R. I.

John I. Raynor and Mrs. Raynor, who have been sojourning in California, are due to arrive home in New York on March 24.

John Donaldson, of Elmhurst, N. Y., has been confined to the house for the past two weeks with a very severe and painful attack of inflammatory rheumatism.

A letter from E. H. Wilson, dated at Ischang, China, February 3, states that he will sail from Shanghai for Vancouver on March 14, and hopes to be again in Boston by middle of April.

A card from J. McHutchison, dated at San Pauli, Brazil, states that he is enjoying his South American vacation greatly and will proceed as far as Valparaiso. He is enthusiastic over the grandeur of the Brazilian vegetation.

Visitors in New York: Sam M. Sibley, representing Leonard Seed Co., Chicago, Ill.; A. Cowee and Mrs. Cowee, Berlin, N. Y.; G. H. Fenson, Somerville, N. J.; J. C. Vaughan, Chicago, Ill.

Visitors in Boston: D. F. Roy, Marion, Mass.; Charles Schwake, New York; A. Kakuda, Yokohama Nursery Co., New York; N. D. Pierce, Norwood, R. I.; A. Zirkman and R. Shoch, representing M. Rice & Co., Philadelphia, Pa.; Mr. Goldenberg, and H. F. Mar-

quardt, representing R. M. Ward & Co., New York; W. E. Maynard, N. Y.; W. R. Pierson, Cromwell, Conn.

NEW FLOWER STORES.

Kalamazoo, Mich.—H. A. Fisher & Co., 119 W. Main street.

New York, N. Y.—Young & Nugent, 67th street and Madison avenue.

Brooklyn, N. Y.—J. Diefenbacher, 905 Fulton street.

Chicago, Ill.—O. J. Friedman, 27 Randolph street.

Providence, R. I.—G. Battinelli and A. Lombardi, 192 Atwell avenue.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St. Boston—Thos. F. Galvin, 124 Tremont St. Boston—Edward MacMullen, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St. Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 304 Main St. Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist. Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave. New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 23th. New York—Dards, N. E. cor. 4th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St. Washington, D. C.—Gude Bros., 1254 F St.

Wellesley, Mass.—Tailby.

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,

253 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3

PANSIES

Per 100 bunches \$6.00

Grown by a specialist who grows nothing but Pansies. Our supply is of the finest quality, unexcelled by any other—an abundance of so many differently colored flowers.

GREEN CARNATION DYE, per package, 50c.
Satisfaction guaranteed

BUSINESS HOURS, 7 A. M. to 8 P. M.

The Leo Niessen Co.
WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS
37 Randolph St, Chicago, Ill.

POEHLMANN BROS. CO.
33-35-37 Randolph St., - CHICAGO

CUT FLOWERS
Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.
WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.
Phone Main 584. 316 Walnut St., Cincinnati, O.

ROBERT J. DYSART
Public Accountant and Auditor
Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

In ordering goods please add "I saw
HORTICULTURE."

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

WILLIAM F. KASTING Co.
Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO Mar. 7		1 WIN CITIES Mar. 7		PHILA. Mar. 7		BOSTON Mar 9	
Ara. Beauty, Fancy and Special...	40.00	to 50.00	40.00	to 50.00	60.00	to 75.00	50.00	to 75.00
" Extra.....	30.00	to 40.00	30.00	to 40.00	35.00	to 50.00	30.00	to 40.00
" No. 1.....	20.00	to 30.00	20.00	to 30.00	20.00	to 30.00	15.00	to 25.00
Lower grades.....	8.00	to 15.00	10.00	to 20.00	8.00	to 15.00	6.00	to 8.00
Bride, 'Maid, F. & S.....	8.00	to 10.00	6.00	to 10.00	8.00	to 12.00	6.00	to 8.00
" Lower grades.....	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00	1.00	to 3.00
Richmond, Chatenay, Fancy & Special	10.00	to 12.00	8.00	to 10.00	10.00	to 12.00	8.00	to 10.00
Lower grades.....	5.00	to 8.00	4.00	to 8.00	4.00	to 8.00	1.00	to 3.00
Killarney, My Maryland, Fan. & Spl.	10.00	to 12.00	10.00	to 15.00	10.00	to 15.00	8.00	to 10.00
Low. grades.....	5.00	to 8.00	6.00	to 10.00	4.00	to 8.00	1.00	to 3.00
CARNATIONS, First Quality...	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00	2.00	to 3.00
Ordinary.....	1.25	to 1.50	2.00	to 3.00	.....	to 1.50	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 60.00	60.00	to 75.00	50.00	to 60.00	30.00	to 40.00
Cypripediums.....	15.00	to 20.00	15.00	to 20.00	.....	to 15.00	.....	to 15.00
Lilac, Longiflorum.....	12.00	to 15.00	12.50	to 15.00	10.00	to 12.00	6.00	to 8.00
Lily of the valley.....	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00	2.00	to 3.00
Violets.....	1.00	to 1.50	.75	to 1.50	.40	to .75	.10	to .40
Mignonette.....	3.00	to 6.00	4.00	to 7.00	3.00	to 5.00	2.00	to 6.00
Lilac, per bunch.....	.....	.....	.75	to 1.25	.50	to 1.00	.....	to .75
Tulips.....	2.00	to 3.00	2.00	to 3.00	2.00	to 4.00	1.50	to 3.00
Roman Hyacinths, Paper Whites..	2.00	to 3.00	2.00	to 3.00	2.00	to 3.00	1.00	to 1.50
Daffodils.....	2.00	to 4.00	3.00	to 4.00	2.00	to 3.00	1.00	to 1.50
Daisies.....	.....	.....	.....	to 1.00	.....	to 2.00	.....	to 1.00
Snapdragon.....	.....	.....	.....	to 10.00	.....	to 10.00	3.00	to 5.00
Sweet Peas.....	.75	to 1.00	1.00	to 1.25	.50	to 1.00	.50	to .75
Gardenias.....	40.00	to 50.00	25.00	to 40.00	25.00	to 40.00	20.00	to 25.00
Adiantum.....	.....	to 1.00	.....	to 1.50	.....	to 1.50	1.00	to 1.25
Smilax.....	12.00	to 15.00	15.00	to 20.00	12.50	to 18.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	50.00	to 75.00	.....	to 50.00	.....	to 50.00
" " & Spreng. (from bchs)	25.00	to 40.00	25.00	to 35.00	35.00	to 50.00	.....	to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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LILAC: \$1.00 per bunch.

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Flower Market Reports

BOSTON Stock is accumulating rapidly in the city wholesale marts and values have taken a substantial drop on large quantities of any kind of stock, although on small selections the quotations do not vary greatly from those of last week. There are practically no American Beauties in this market worthy of the name, but of all other roses there is an abundance. Carnations are still enjoying a good demand and are cleaned out satisfactorily from day to day. Bulb flowers are exceedingly plentiful with prevailing prices below cost of stock and production. Violets are away down lower than ever before at this season. Sweet peas are plentiful and many have a hard job to find a customer, but those with long stems seem to find a ready market still. Length of stem seems to count for more than quality of flower with sweet peas at present. Lilies are in full supply, with moderate call. The best being received here are from Burns of Spring Valley, N. Y., and despite the distance they have to travel they display remarkable substance and endurance. Sales of gardenias are slow and the same is true of cattleyas.

Bright weather the past week brought on a good supply of everything. There is no shortage in the rose or carnation line, the latter being in good supply. Some excellent Killarney, Richmond, White Killarney, Bon Silene, and other roses are in and are having a good call. Violets and lily of the valley have been on the quiet side, but sweet peas have sold well.

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Mar. 7	DETROIT Mar. 6	BUFFALO Mar. 7	PITTSBURG Mar. 7
Am. Beauty, Fan. and Sp.....	20.00 to 30.00	15.00 to 50.00	30.00 to 50.00	40.00 to 50.00
" Extra	10.00 to 15.00	22.00 to 30.00	15.00 to 20.00	20.00 to 30.00
" No. 1	6.00 to 8.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
" Lower grades.....	..... to	5.00 to 12.00	5.00 to 7.00	5.00 to 8.00
Bride, "Maid, F. & S.	8.00 to 10.00	8.00 to 10.00	10.00 to 12.00	6.00 to 8.00
" Low gr.	4.00 to 6.00	4.00 to 6.00	6.00 to 8.00	3.00 to 4.00
Richmond, Chateau, Fancy & Special	6.00 to 8.00	8.00 to 10.00	10.00 to 15.00	8.00 to 12.00
" Lower Grades.....	4.00 to	4.00 to 6.00	6.00 to 8.00	6.00 to
Killarney, My Maryland, Fan. & Spl.	6.00 to 8.00	8.00 to 10.00	10.00 to 15.00	8.00 to 12.00
" Low Grades	4.00 to 6.00	4.00 to 6.00	6.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality	3.00 to	3.00 to	3.00 to 4.00	4.00 to 5.00
" Ordinary	2.00 to	2.00 to	2.00 to 3.00	2.00 to 3.00
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to	50.00 to 60.00	..... to 75.00
Cypripediums.....	..... to .....	..... to	1.00 to 15.00	..... to 15.00
Lilies, Longiflorum.....	8.00 to 10.00	15.00 to	12.00 to 15.00	..... to 15.00
Lily of the Valley.....	3.00 to	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets.....	.25 to .35	.50 to 1.00	.50 to .75	.50 to .75
Mignonette .....	..... to	3.00 to 7.00	3.00 to 4.00	..... to 6.00
Lilac, per bunch.....	.50 to .....	..... to .....	..... to .....	..... to 1.50
Tulips	2.00 to 4.00	3.00 to	3.00 to 4.00	2.00 to 4.00
Roman Hyacinths, Paper Whites..	2.00 to 3.00	3.00 to	2.00 to 3.00	3.00 to
Daffodils	2.00 to 3.00	3.00 to	2.00 to 3.00	5.00 to 6.00
Daisies.....	.25 to .35	.50 to 1.50	1.50 to 2.00	1.00 to 3.00
Snapdragon.....	6.00 to 10.00	5.00 to 6.00	6.00 to 8.00	6.00 to 8.00
Sweet Peas	50 to .75	.50 to 1.50	.50 to 1.00	.50 to 1.00
Gardenias.....	..... to .....	..... to	3.00 to 4.00	..... to 30.00
Adiantum.....	1.00 to	1.00 to 1.50	1.00 to 1.50	..... to 1.50
Smilax	12.00 to 15.00	15.00 to .....	..... to 15.00	..... to 15.00
Asparagus Plumosus, strings (100)	50.00 to	30.00 to 40.00	40.00 to 50.00	30.00 to 50.00
" " & Spre. (100 bchs.)	20.00 to	30.00 to 40.00	35.00 to 50.00	30.00 to 50.00

There are plenty of lilies and bulbous material.

CHICAGO Chicago market responded very quickly to the few days of sunshine. Stock increased quickly and business was active during the past week. The second week in March finds trade comparatively slow but stock still not plentiful enough to go to waste, the previous week having used up everything. Roses especially were scarce when compared to the demand and Saturday they were entirely sold out.

Carnations, too, were scarce and only bulbous stock available near the close of the day. Beauties are good but scarce, especially long ones, and at this writing medium roses of all kinds are in short supply. There are plenty of good tulips in the market and selling well. All bulbous stock is bringing in good returns this week and the supply is expected to hold out till Easter. Quantities of violets are seen and are moving slowly. A good supply of miscellaneous stock is on the counters and

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Mar. 4 1911		First Half of Week beginning Mar. 6 1911	
American Beauty, Fancy and Special.....	40.00	to 75.00	40.00	to 60.00
" " Extra.....	30.00	to 30.00	30.00	to 35.00
" " No. 1.....	10.00	to 15.00	10.00	to 15.00
" " Lower Grades.....	3.00	to 6.00	3.00	to 6.00
Bride, 'Field, Extra and Special.....	6.00	to 8.00	6.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 2.00
Richmond, Chateaux, Extra and Special.....	8.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	2.00	to 3.00	1.00	to 3.00
Killarney, My Maryland, Extra and Special.....	4.00	to 10.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Carnations, First Quality.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	1.00	to 1.50	.75	to 1.00

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Flower Market Reports

(Continued from page 327)

afford variety for window display. Asparagus strings are scarce. Sweet peas sell well, especially good long-stemmed stock. Callas are very much in evidence everywhere.

The opening of the CINCINNATI Lenten season has had little or no effect on business. Market conditions continue very satisfactory. Good Beauties are on the short side. There is a liberal supply of other roses, and the call for short and medium grades is heavy and at times the supply is not equal to the demand. Carnations are plentiful and have taken a drop in price. White being in exceptionally good demand price on these has held very firm. Enchantress and Rose Pink enjoy a fair call while red and Lawson move more slowly and prices on these have to be sacrificed to make sales. The past week found an accumulation of bulbous stock all of which move slowly and sales are made at buyers' price. White and lavender Dutch hyacinths move freely as do La Reine and Murillo tulips and paper whites. Callas and lilies are plentiful with only a fair demand. Sweet peas are in heavy crop and price is low. Single violets have let up a little in supply with a slight advance in price. Double violets are sufficient for present needs. Asparagus plumosus and Sprengerii in good supply and demand.

Heavier shipments have DETROIT brought wholesale prices down a few notches. Roses, which have been very scarce for several weeks, are coming more plentifully, but lilies are still on the short side. Carnations are coming in fine and prices reduced. All other stock is coming in good quality and quantity.

Trade has been decidedly stagnant on NEW YORK most lines since Lent began. The market is dull and, with sunny weather, a considerable surplus has been piling up from day to day in wholesale hands with the inevitable result of declining prices and conditions strongly favoring the bargain counter job lot purchaser. If anything can be said to be in demand it is American Beauty roses with good heads. Most of the Beauties just now are gnarled and discolored, regardless of length of stem. Richmonds of the higher grades profit somewhat from the generally crippled condition of the Beauties. Tulips of the deeper colors

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar. 4 1910		First Half of Week beginning Mar. 6 1911	
Cattleyas.....	25.00	to 40.00	25.00	to 40.00
Lilies, Longiflorum.....	6.00	to 8.00	6.00	to 8.00
Lily of the valley.....	1.00	to 2.50	1.00	to 2.00
Violets.....	.15	to .35	.15	to .35
Mignonette.....	2.00	to 8.00	2.00	to 8.00
Lilac, per bunch.....	.10	to .75	.50	to .75
Tulips.....	2.00	to 3.00	1.00	to 3.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 1.50	1.00	to 1.50
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snopdragon.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas (per 100 bunches).....	4.00	to 8.00	4.00	to 8.00
Gardenias.....	25.00	to 40.00	25.00	to 40.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 35.00

are selling fairly well also, especially such as Flamingo. Color is also demanded in cattleyas and the deeper the shade the better the price and readier sale. Daffodils, lilies, freesias, and violets are still in oversupply.

The early part of PHILADELPHIA the week was all right, but as soon as Lent struck there was a big falling off. It always takes about a week for things to adjust themselves after Lent sets in; after that there is very little difference. Everything plentiful with the exception of American Beauty roses, and perhaps in a minor degree good white roses. There are enough and to spare of "runts" in American Beauty, but the higher grades are very scarce indeed. There were a few flowers on view of the Double Killarney this week, and certainly this is a magnificent variety as to size, substance and color. If there be any doubting Thomas still unconvinced let him look it up. Carnations are in large supply but nothing to the violets! The latter are here by the carload and, to make matters worse, the police are busy chasing the curb merchants off the streets. In cattleyas there seems to be a larger supply and mostly of the light-colored Schroderae. The rich, dark-colored Trianae is scarce. Most buyers prefer the latter. Southern daffodils have just begun to make their appearance. Lower prices rule and there is plenty of fine stock in all lines. The buyer is now having his innings in good earnest.

The market last week ST. LOUIS was crowded up with stock. Dull trade the first few days of Lent caused the slump. Quality is of the best and prices have dropped on everything. The weather has become spring-like, and the great crowds out have made great transient trade for the down-

town stores. Prices on roses run from \$3 to \$8 per 100; Beauties \$5 per dozen for long fancy; carnations \$1 to \$2.50; violets 25 to 50 cents; callas and Harrixi \$10 to \$12.50; lily of the valley \$2 to \$3; bulbous stock, all kinds, from \$1.50 to \$4.00. Ferns have gone up to 25 cents per 100.

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Ageratum, 3 inch, \$4.00 per 100; \$35.00 per 1000. Rooted cuttings, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

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Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

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Rooted Cuttings.

George A. Kuhl, Pekin, Ill.

Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

3000 Carnation Splendor, 2½ inch pots, \$20.00 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

Carnation James Whitecomb Riley (Lawson seedling), the best yellow, \$6.00 per 100. Bertermann Bros. Co., Indianapolis, Ind.

Extra strong rooted cuttings of O. P. Bassett, \$3.00 per 100; 2½-in. pots, \$5.00 per 100.

La Crosse Floral Co., La Crosse, Wis.

Rooted carnation cuttings. Victory, Enchantress and Pink Imperial, \$2.50 per 100; \$20.00 per 1000. Cash. David A. Dean, Baldwin, L. I., N. Y.

New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c. by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemum rooted cuttings. Golden Glow and Pacific Supreme, \$1.50, or will exchange. What have you? Joseph Klein, Egg Harbor City, N. J.

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CHRYSANTHEMUMS — Continued

CHRYSANTHEMUM STOCK PLANTS, all ready now. **OCTOBER FROST, GOLD-EN GLOW, ROSIERE, MONROVIA**, \$3.00 per 100; \$20.00 per 1000 assorted. **POEHL-MANN, GOLDEN EAGLE, CHADWICK** and **YANOMA** \$4.00 per 100; \$30.00 per 1000. **PRES. TAFT**, white, **MRS. W. E. KEL-LEY**, yellow, both novelties last year, \$5.00 per 100. **I. M. RAYNER**, Greenport, N. Y.

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt**, Bristol, Pa.

Cinerarias, 2½-in., \$2.00 100; 3-in., \$3.00; 3½-in., \$3.50; 4-in., \$6.00; seedlings, \$1.25 100, or will exchange for stock. **M. D. SCHMIDT & SON**, Park St., Dayton, O.

Cinerarias. Buy now for Easter. **Colum-bian, James' Prize, Scarlet Queen**, old rose, blood red, azure blue, white, crimson, 3-in., \$4.00; 4-in., \$6.00 per 100. Fine, clean, stocky, ready for a shift. Cash, please. **J. Sylvester**, Florist, Oconto, Wis.

CLEMATIS

Clematis paniculata, strong 3-year, \$1.00 per 10, \$7.50 per 100, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100.
F. A. Baller, Bloomington, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Coleus, 2½ inch, \$15.00 per 1000. **R. C.**, \$4.00 per 1000. **Sunnyside Greenhouses**, Barborton, Ohio.

CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co.**, Milwaukee, Wis.

DAHLIAS

Herbert, Acto, N. J.

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Gt. Van Waveren & Kruijff, Sassenheim, Holland.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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DAHLIA—Big stock, big clumps, best sorts. **C. Betscher**, Canal Dover, O.

45,000 field-grown clumps, 2c and up. List ready. **H. W. Koerner**, Sta. B., Milwaukee, Wis.

Kriemhilde, Mrs. Chas. Turner, 5c.; other fine sorts, strong divisions, 3 to 10 cts each. **E. R. Macomber**, 20 Leonard St., Weymouth, Maine.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? **Geo. H. Walker**, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the **Eastern Dahlia King**, **J. K. Alexander**, E. Bridge-water, Mass.

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. **J. L. Moore**, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. **Peacock Dahlia Farms**, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAISIES

Giant double daisies, mixed, \$2.50 per 1000; 100 prepaid, 40c. **Chas. Frost**, Kenilworth, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Rosindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena indivisa, strong stock ready for shift, 3-in., \$5.00, 100. Cash. **Freeport Floral Co.**, Freeport, Ill.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. **Wm. Nilsson**, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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Eastern Nurseries, Jamaica Plain, Mass.
Broad-Leaved Evergreens.

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John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Thomas Roland, Nahant, Mass.

Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. **F. M. Soar**, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. **Boston, Whitman, Scotti and Pierson**, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. **A. G. Lake**, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson**, Fern Specialist, Short Hills, N. J.

FERTILIZERS

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. **George Stevens**, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 63 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS' PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. **O. K. Fink**, Pottstown, Pa.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by **F. A. Waugh**, mailed to your address for 55 cents by **Horticulture Publishing Co.**, 11 Hamilton Place, Boston.

FUCHSIAS

Skidelsky & Irwin, Philadelphia, Pa.
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GALAX

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Mme. Sallerol geraniums, 2-in., 2c. **F. J. Prouty**, Spencer, Mass.

Geraniums, **R. C.**, best varieties, \$9.00 per 1000. **Sunnyside Greenhouses**, Barborton, Ohio.

Red Wing, the best 1910 novelty, deep cardinal red. Rooted cuttings, 75c. per doz., prepaid. **Chas. Frost**, Kenilworth, N. J.

Geraniums—Rooted cuttings, winter delivery, **S. A. Nutt**, \$11.50 per 1000; **Ricard and Poitevine**, \$14.00 per 1000. **Albert M. Herr**, Lancaster, Pa.

GLADIOLI

GLADIOLI—Best sorts, extra mixture, all sizes. **C. Betscher**, Canal Dover, O.

Send for our list of choice gladioli and dahlias. **Cushman Gladiolus Co.**, Sylvania, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. **Johnston Glass Co.**, Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. **Lord & Burnham Co.**, 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLAZING POINTS, **Lord & Burnham Co.**, 1133 Broadway, N. Y. Special Glazing Nails (Points).

In writing to Advertisers kindly mention Horticulture

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lora & Burnham Co.,
1133 Broadway, New York.
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J. C. Moulner Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

GREENHOUSE CONSTRUCTION

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William H. Lutton, Jersey City, N. J.
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Lord & Burnham,
1133 Broadway, New York.
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Piereson U-Bar Co., Madison Ave., New York
Designer and Builder.
Hitchings & Co., 1170 Broadway, N. Y.
GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.
King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall A-so. of America.
J. G. Eiler, Saddle River, N. J.
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H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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HEATING APPARATUS

Lord & Burnham Co.,
1133 Broadway, New York.
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HELIOTROPES.

Heliotrope, dark blue, 2 1/4 in., \$2.00 per 100; 3 1/4 in., \$6.00. Very bushy rooted cuttings, 85 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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James Backhouse & Son, Ltd., York, England.
Alpine and Herbaceous Plants.
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Good, strong, fancy stock of Golden Glow in 2 1/2-in. pots, \$3.00 per 100.
La Crosse Floral Co., La Crosse, Wis.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOTEL ACCOMMODATIONS FOR NATIONAL FLOWER SHOW

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Lord & Burnham Co., 1133 Broadway, N. Y.
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IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R. C., \$1.00 per 100. Sunnyside Greenhouses, Barberton, Ohio.

INSECTICIDES.

Nicotidie kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
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Tobacco Powder.
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IRIS

Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
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IRIS—The very best out of 500 sorts.
C. Retscher, Canal Dover, O.
San Souci, Siberian Blue and Delicata,
\$2.50 per hundred. C. S. Harrison's Select Nursery Co., York, Neb.

IVIES

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.
English Ivies, 2 1/4 inch in p. ts. \$4.00 per 100; well rooted cuttings, \$1.00 per 100, \$9.00 per 1000. Home Nursery, Norwood, R. I.

JAPAN MAPLE

Japan Maple in leaf, 6 inch, \$1.00 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

KENTIAS

A. Lenthby & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass. Dept. 8.
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LILACS

Rouens, on their own roots. 1 to 2 ft., \$5.00; 2 to 3 ft., \$10.00; 3 to 4 ft., \$15.00 per hundred. C. S. Harrison's Select Nursery Co., York, Neb.

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY CLUMPS

Wm. Elliott & Sons, New York.
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Lily of the Valley Clumps, \$6.00 per 100. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY PIPS

"Buds," New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
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NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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NOVELTIES

"REAL NOVELTIES AND NOVEL REALITIES."
In Hardy Plants.

The biggest collection offered anywhere, is found in our NOVELTY CATALOGUE, just out.

Of great interest to the amateur and commercial grower alike.

It describes and illustrates uncommon plants of singular beauty, desirability and simplicity of growth; inexpensive to acquire.

Besides; our low prices, plants are big, making them valuable, in small or large quantities.

Mailed along with our illustrated wholesale catalogue of Hardy Perennials, etc., on receipt of three 2c. stamps, which pays postage only, and which amount is credited on first order.

PALISADES NURSERIES, INC.,
SPARKILL, N. Y.

Imperative to mention this paper.

NURSERY STOCK

P. Ouwkerk, Weehawken Heights, N. J.
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F. W. Kelsey Nursery Co., New York, N. Y.
"Everything Worth Planting."

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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.

Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SEED

Schilder Bros., Chillicothe, Ohio.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, Ohio.
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S. D. Woodruff & Sons, New York, N. Y.
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Choice, sound, unsprouted onion sets. Yellow, \$1.20; red, \$1.25; white, \$1.60 per 32 lb. bushel. Sacks included. Stuls Seed Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McMannus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Saunders, St. Albans, England.
 Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
 Stove plants and Crotons, finest collection.
 Julius Roehrs Co., Rutherford, N. J.
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Stuart Low & Co., London, England.
 Imported Orchids.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

PALMS

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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies, \$3.50 per 1000; 100 prepaid. 50c. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100. Sunnyside Greenhouses, Barborton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Petunias, Dreer's double fringed, mixed colors, 2-in., 2c.; 3-in., 3c.; 3½-in., 4c. Cash. Twin City Greenhouses, Basil, Ohio.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seale's Tieless Plant Stakes and Trellises. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
 "Riverton Special."
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PIPE AND FITTINGS

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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
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PIPE AND FITTINGS. Cast iron and wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

POPPIES

Oriental Poppies, mammoth flowered; grandest poppy in cultivation, perfectly hardy. Strong yearling plants \$1.00 doz. Wingert & Ulery, Springfield, Ohio.

POTASH

German Kall Works, Baltimore, Md.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula obconica grandiflora and gigantea, all colors, 2½-in., ready for shift, nicely budded, \$3.00 per 100. Kewensis, new giant yellow, in bloom, blooms all summer, 3-in., \$4.00; 4-in., \$6.00 per 100. Cash, please. J. Sylvester, Florist, Oconto, Wis.

PRIVET

CALIFORNIA PRIVET.
 Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

Amoor River, 2 yr., all well bran, 12 to 18 in., \$12.50M; 18 to 24, \$16.50M; 24 to 30, \$20.M; 30 to 36, \$25.M; 36 to 48, \$30.M; Cal. Privet: 2 yr., 12 to 18 in., 2 to 4 bran, \$7.50M; 18 to 24, 3 to 5 bran, \$10.M; 24 to 30, 4 to 6 bran, \$14.50M; 30 to 36, 6 to 10 bran, \$20.M. F. O. B., cash with order. Valdesian Nurseries, Bostic, N. C.

200,000 California Privet, all sizes at price of 1 year. 10,000 Ampelopsis Veitchii and Clematis paniculata, heavy, 1 and 2 year old, field-grown vines, 2 to 3 feet, and 3 to 4 feet, at 4 and 9 cents. List free. Benjamin Connell, Florist, Merchantville, N. J.

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John Waterer & Son, Bagshot, England.
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ROOTED CUTTINGS

ROOTED CUTTINGS FREE BY MAIL.
 Alyssum, euphea, ground ivy, German ivy, gnaphalium, Lobelia compacta, ageratums, 3 vars. blue; thyme, 50c., 100. Gazania, marguerite, 75c., 100. 600 heavy marguerites, from soil, \$1.00, 100, by express, 400 strong 2½-in. marguerites, and 700 2½-in. feverfew, \$2.50, 100. Cash with order. A. B. Graves, 421 Bridge St., Northampton, Mass.

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Rose Bushes. Ramblers, American Beauties, etc. Ed. Ingalls, Florist, P. O. Box 135, West Lynn, Mass. Folder free.

Rambler Rose Bushes, American Beauties, etc. Greenhouse, 43 Whiting Street. Circulars free. E. M. Ingalls, P. O. Box 135, West Lynn, Mass.

George A. Kuhl, Pekin, Ill.

SALVIA

A. N. Pierson, Inc., Cromwell, Conn.
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Salvias, 2 inch, \$1.75 per 100. Sunnyside Greenhouses, Barborton, Ohio.

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Miami Valley Seed Co., New Carlisle, Ohio.
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S. D. Woodruff & Sons, New York, N. Y.
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Tested Vegetable Seeds, listed below, 8c. per pkg, postage paid. Trial order will convince you of the high quality of these seeds. Cauliflower—Early Sn whall. Cabbage—Early Jersey Wakefield. Turnip—Early Flat Dutch, White. Muskmelon—Jenny Lind. Cucumber—White Spine. Radish—French Breakfast. Squash—Golden Hubbard. Tomato—The Ponderosa. Pepper—Ruby King. Celery—Giant Pascal. Lettuce—New York. Onion—White Southport Globe. Address E. P. Lawrence, Fairfield, Conn., Box 171.

In writing to Advertisers kindly mention Horticulture

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS
WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

SEEDS — Continued

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SHAMROCKS—We have 50,000 true Irish shamrocks for your St. Patrick's Day trade in 1 in. pots, \$4.00 per 100; 1½ in. pots, \$4.00 per 100; 4 in. pans, \$1.50 per dozen. Get busy now and gather in some extra money on March 17th. Cash with order. Leonard Cousins, Jr., Concord Jct., Mass. Telephone 82 Concord.

SMILAX PLANTS

Smilax Seedlings three times cut back, 50c. doz.; \$1.00, 100. Cash. Freeport Floral Co., Freeport, Ill.

SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

SPIREA

Spirea Gladstonii in bud; nice plants, \$4.00 per dozen. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

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TRITOMA PFITZERI

Tritoma Pfitzeri, the best of the Red Hot Pokers for cut flowers. Divisions, single crowns, \$4.00 per 100, \$30.00 per 1000; double and triple crowns, \$6.00 per 100, \$50.00 per 1000; clumps, \$8.00 per 100, \$70.00 per 1000. Thomas J. Oberlin, Sinkling Spring, Pa.

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VEGETABLE PLANTS

Vegetable plants from seedbed, all leading varieties. Write for prices. A. S. Pett, Crawfordsville, Ind.

VINCAS

Vinca variegata rooted cuttings, \$1.00 per 100; \$8.00 per 1000. Orders booked for delivery at any time. Russell Bros., R. R. 4, Syracuse, N. Y.

Vinca variegata R. C. well rooted, 75c. 100; 2½-in., \$2.00, 100. Cash. Freeport Floral Co., Freeport, Ill.

Vinca variegata rooted cuttings, 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.
Vinca variegata, 2½-in., 2c. F. J. Prouty, Spencer, Mass.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gillnet, Moylan, Del. Co., Pa.

WILD SMILAX

E. A. Beaven, Evergreen, Ala.
Southern Wild Smilax.

WIREWORE

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate
1500 2in. pots in crate \$4.88		144 6in. pots in crate \$3.26
1500 2¼ " " " 5.25		120 7 " " " 4.20
1500 2½ " " " 6.00		60 8 " " " 3.00
1000 3 " " " 5.00		
800 3½ " " " 5.80		HAND MADE
500 4 " " " 4.50		48 9in. pots in crate \$3.60
450 4½ " " " 5.24		48 10 " " " 4.80
320 5 " " " 4.51		24 11 " " " 3.60
210 5½ " " " 3.78		24 12 " " " 4.80
		12 14 " " " 4.80
		6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address HILLFINGER BROS., Pottery, Fort Edward, N. Y. August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay. New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY FOR OUR Florist's Red Pots is prepared by passing through a screen 600 meshes to the square inch. If in a hurry for pots, order from us. THE PETERS & REED POTTERY CO. Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

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GREENHOUSES BUILDING OR CON-TEMPLATED.

Osborne, Kans.—John McFarland, one house.

Edinburg, Ind.—Mrs. Thomas Woodard, addition.

Southington, Conn.—William Fischer, additions.

Des Plaines, Ill.—Fletcher James, house 54 x 150 feet.

Harrisburg, Pa.—Berry Hill Nursery Co. Range of houses.

Lake Forest, Ill.—Armour Estate, conservatory 35 x 125 feet.

New Castle, Ind.—Peter Weiland, ten houses each 28 x 300 feet.

Ottawa, Kans.—B. Romstedt, two lettuce houses, each 18 x 110 feet.

Colorado Springs, Colo.—Spencer Penrose, conservatory 21 x 100 feet.

Pittville, Pa.—Jos. Beavis & Son, two rose houses each 35 x 100 feet.

MISCELLANEOUS

WANTED—Gardeners to send us a list of their surplus Bulbs, Seeds, Plants. Dawn Nurseries, P. O. Box 135, West Lynn, Mass.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

HELP WANTED

HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. National Labor Exchange, 918 Walnut St., Phila., Pa.
HENRY C. PRICE

WANTED—By large nursery, young man, 21 to 24 years of age, with some knowledge nursery work, to do some office work and show people over nurseries. Salary \$12.00 week to start, excellent chance to advance. J. E., care HORTICULTURE.

WANTED—A good greenhouse man, must be well recommended; only capable and strictly temperate man need apply. German or Austrian preferred. Wages \$55 per month and room. A. B. C., care HORTICULTURE.

WANTED—Young man accustomed to filling and checking orders, with some experience as shipping clerk. Also an experienced nurseryman wanted. The Elizabeth Nursery Co., Elizabeth, N. J.

WANTED—A young nurseryman of some practical experience in general nursery and landscape business. State age, experience, with references, and salary to begin. Chas. R. Fish & Co., Worcester, Mass.

SITUATIONS WANTED

SITUATION WANTED by a thoroughly practical horticulturist, with many years of experience in the care and management of gentlemen's country estates. General construction work. Grading and planting of trees and shrubs for effect. Lawns, roads and gardens. Expert in the cultivation of every thing grown under glass or naturally. Any locality acceptable. A-1 references, covering thirty years of practice. No family. Address A. Permanency, care J. B. Nugent, Jr., 42 W. 28th St., New York.

WANTED—Position as working foreman or general manager of commercial greenhouses, retail or wholesale, by an up-to-date hustler. A-1 grower of roses, carnations, mums or pot plants. Willing to let one-half salary come from a percentage of profits at year's end. Middle aged; temperate; no family. A-1 references. Address Roberts, care J. B. Nugent, Jr., 42 W. 28th St., New York.

SITUATION WANTED by a single, middle aged man as gardener and florist; good propagator and planter. Long experience in the business. Massachusetts preferred. Can furnish references. X. T., care HORTICULTURE.

GOOD GREENHOUSE MAN, married, 10 years' experience in cut flowers, pot and bedding plants. Sober. State wages and particulars. E. M., 29 Kent Ave., Pittsfield, Mass.

WANTED—Position as rose grower; 15 years' experience; good reference from noted grower. J. L., care R. T. McGorum, North Mass.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

PARSHELSKY BROS., Inc.
59 Montrose Ave., BROOKLYN, N. Y.

IRON PIPE

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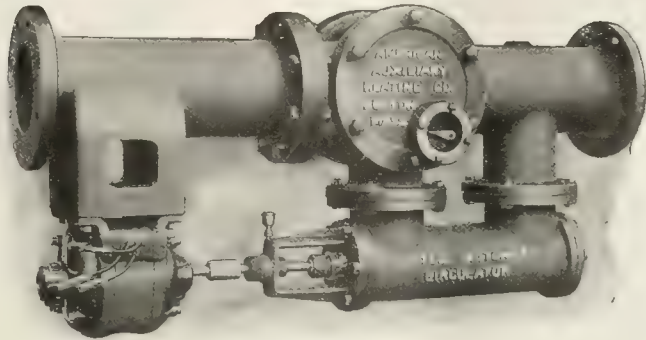
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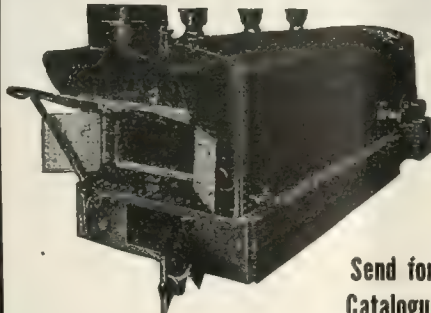
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HORTICULTURE

Vol. XIII.

MARCH 18, 1911

No. 11



TEA ROSE HARRY KIRK.

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THE BAY STATE NURSERIES,

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Fruit and Vegetables Under Glass

INARCHING AND GRAFTING

Inarching and grafting are methods of propagation of the vine, apple, pear and other fruit trees, but it is the vine I would refer to now. Inarching seems to be conveyed to the mind at once when we think of the vine growing in its wild state with its long trailing stems, intertwining with each other and being supported by stronger trees. Rods or stems will cross each other and with a motion caused by the wind an abrasion of the outer barks results and while the sap is flowing freely a union of the two will often ensue. Much may be learned from this nature lesson and coupled with science and skill can be of great help in propagating or changing our vines grown under glass. Weakly constitutioned varieties are improved by inarching or grafting on hardier and more vigorous stocks. West St. Peters, a variety little known, when put on a robust stock has proved a great success. Again, shy bearers can be made sure croppers by giving them another's roots. Take, for instance, Gros Guillaume, better known as Barbarossa, (but which is not



INARCHING.

A. scion (still supported on its own roots).

B. stock.



Tongue graft as it would appear before strings and grafting wax have been applied. (A) Scion in form of a bud. (B) Stock on parent to be changed. (C) Scion ready for fixing onto stock.

Barbarossa: the true Barbarossa is not worth cultivation.) It is described as having a reddish color and poor flavor. Gros Guillaume has been known to only yield a few bunches to a fully developed vine and keep this up for years with apparently no reason, while other rods of the same variety show no trouble whatever. Black Hamburgh is often used as a stock while Foster's Seedling and Muscat of Alexandria have been used for productiveness. Experiments have been made by double grafting, as is the case with some apples and pears, but no reliable line has been secured.

Another advantage of inarching is that there is no necessity to lose a crop. An eye can be put on and the growth run up beside the old rod as it carries its crop, taking this latter out when pruning next season, and leaving the new variety to take its place. Along through March is the best time to do this work, as the conditions are generally suitable. It is necessary that five or six leaves be fully expanded to draw the sap up to the scion and also to pass off any excess through the spores or stomata of the leaves. Loss of vitality through bleeding is thus nullified and a speedy union is effected. The scion can take the form of a vine in a pot, easily placed in position on a lateral which was saved at pruning and has been stored away in a cool moist place. This latter can have its base end inserted in a bottle filled with water,—a few pieces of charcoal being put in to keep it sweet—and suspended in the required position. The scion should be kept in the same house as the stock for a few days before operating, to cause a little excitement, making the bud ready to take up the sap. One method is to cut both scion and stock on the side as you would for an eye-graft, seeing that both fit the other and the different tissues of both come together, binding them up tightly with raffia and covering over with grafting wax. Stop the growth back to four or five leaves, which throws the sap back into the scion bud. The better method is to put a tongue into it. A union is formed quicker and better and in six weeks it should be ready to be cut away from the parent. This should be done gradually, first loosening the strings to allow the wood to swell and later cutting one half of the stem away at one time. Grafting is similar but it does not give the scion any support. Should a variety be needed on different roots it can be grafted in a pot and grown on a season before planting. Where an eye has been accidentally rubbed out of a spur, a bud can be put in close to this to take its place.

THINNING GRAPES

This is a tedious job, requiring a steady hand and good eye. Looking at a bunch which has just been thinned one would imagine in the majority of cases that it would never fill up, as apparently not enough berries are left, but after a few weeks a different opinion is forthcoming. Much depends on the variety one is working as to how many berries should be left. The size of the full grown berry must always be borne in mind and after a little practice this will seem to present itself to the mind's eye. Such large-berried varieties as Gros Colman, Gros Maroc and Princess of Wales will need a much more severe thinning than smaller-berried ones, as Black Hamburgh, Foster's Seedling and Buckland's Sweetwater. Muscats are in a class by themselves. It is advisable to go over each bunch twice, leaving an interval of ten or fifteen days between. This allows of leaving two or more berries, should the required one be doubtful.

To commence, tie up any heavy shoulders to the supports above. This allows berries to be left on the under side. Start by taking off the surplus berries from the bottom of the bunch and work up. Always leave the extreme end berries which helps to enlarge the bunch

and the others should have their stems run at right angles to the main stem of the bunch, or, in other words, should look to be in tiers, each tier of berries being one flat row. In nearly every case this will necessitate all the underneath berries and any growing upwards being removed. Seedless berries are useless and can be removed right away. Do not allow berries to get too large and over-crowded before thinning, otherwise it will take double the amount of time and berries are often pricked with the scissors. The grafting of bunches can be reduced at time of thinning. Five is enough for a pot vine to carry successfully.

STRAWBERRIES

Cease feeding strawberries as soon as the fruit begins to show color. Give as much clear water as they will take, and all the air and light possible. A shelf near the glass is an ideal place. Leave a crack of air on the house all night if the weather will allow. Other batches can be brought in at intervals and will come along much more quickly than formerly.

MELONS

Melons started the first of the year will now be swelling their fruit and will need nets to support them. Two or three fruits are all that plants will carry successfully now. If surface roots are plentiful give a light top dressing, adding some good manure to the soil. This can be repeated as the roots show through again, but do not put any soil around the stem or later on it may cause canker. Feed twice a week if no top dressing is added. Syringe morning and afternoon, shutting up early enough to run the house up to 90 degrees and taking care to have the plants dry again before night.

PEAS AND DWARF BUSH BEANS

These can be sown in boxes 3 feet by 6 inches, having bottoms which are easily removed. These can be brought on inside and as soon as the weather is safe can be transferred to the open ground, by removing the bottom, without damaging the young plants. They will be in several weeks ahead of any sown in the open ground.

George H. Penson

Mr. Penson's next notes will be on: Care of Muscat vines; Packing strawberries; Apples and pears; Late peach houses; Work in the kitchen garden.

The Cultivation of Gardenias for Winter Blooming

To cultivate the gardenia successfully and profitably it is necessary to have good strong plants well rooted in 3-inch pots ready to plant in the benches by the middle of May. To have plants this size the cuttings should have been rooted in January in a good bottom heat, placed inside a glass case, and will as a rule be ready to pot into small pots in about three weeks, when they should be returned to the case until they are nicely rooted in the soil, after which they should be taken out and placed on a bed of ashes as close to the glass as is reasonable.

If possible lay up a heap of good sod with alternate layers of green cow manure, the latter to be spread so that it is about one third the thickness of the layers of

sod. This should be laid up as long as possible before using and, as above stated, the plants should be ready for benching by about the middle of May. Cover the bottom of the benches with a thinly-cut sod, laying the grass side downwards. Chop down and bring in the soil which has been laid up, and fill the benches level to the top which, I presume, will be about five inches deep inside, and which is all the depth necessary. Let the soil lie in this state exposed to the sun three or four days to dry it out thoroughly, then give the bed a thorough pounding all over, making it as level as possible. This will incorporate the cow manure with the soil so that it will be scarcely noticeable and also counteract the crudeness of the same. Now set the plants out fifteen inches apart each way.

I prefer benches that are not too wide—about four feet and five or six inches wide as they dry out better and are more easy to get at in syringing. These will take three rows of plants planted about four inches from the outside of the benches and it also gives a better circulation of air through the plants. Use no shade on the glass whatsoever, giving them all the sun possible, and syringe them five or six times a day all through the summer, keeping plenty of moisture on the floors at all times. Toward the fall some of the syringing can be dispensed with, but not entirely so all through the year, as these plants should be sprayed over at least twice a day even in winter, providing you have your temperature right; in the morning and again early in the afternoon. This is very essential as if applied with force it tends to keep down red spider and mealy bug to which they are an easy prey.

Water the plants individually after they are first planted until the roots begin to run well in the soil when the benches should be watered all over. It would be well, in fact it is almost necessary—to have water in the winter time, both for syringing and watering, the same temperature as the house they are growing in. This prevents any check, helps the buds to expand and open more quickly and also is one of the preventives of the falling of the buds. Plenty of air should be given all through the summer and the early fall. Throw the ventilators wide open both on the top and front all through the hot weather, not even closing the top ones at night and if the nights are warm leave the front air on as well. This is very important as it helps to solidify and ripen the wood without which your show of flowers will be very scant. Even in the winter time air should be given in small quantities on all favorable occasions raising the ventilators on top about half an inch when the inside temperature reaches 75 degrees and increase in small quantities as the glass continues to rise, without giving any chilling effects, closing them down when the thermometer touches 72 degrees and at the same time damping the floors down well. The night temperature in the winter should be kept about 68 to 70 degrees.

After the plants have grown six or seven inches pinch back all the leading shoots on each plant to make them break and give them a foundation. Continue this up until the latter part of July, at the same time taking off any flower buds which may appear. Now let the plants make all the growth possible after which when completed they will set their flower buds for the winter. Be sure that the plants never suffer for water as this is likely to cause the buds to fall off in a shower.

Another very essential thing is the position of the hot water pipes. It is almost useless to attempt to grow these plants unless the pipes run underneath each bench as there is nothing in my estimation which will give gardenias the sickly foliage sometimes seen, as to have their feet all the time wet and cold. As the beds become filled

with roots liquid manure waterings twice a week if necessary will not harm them, or a top dressing of the same compost they are growing in with a little more cow manure added as dry as possible will help them out in good shape.

Some people prepare a very elaborate mixture of soil for these plants, but I have always found the simple compost above mentioned to be adequate for a good clean healthy growth and A-1 flowers.

Arthur Griffin

Seasonable Notes on Culture of Florists' Stock

ACHIMENES

Tubers that have been stored away should be started into growth now. A good way is to place them quite thickly in pans, that have been previously filled with good drainage material finished off with sand so the pans will be three-quarters full. Then cover the tubers with sand. Keep the sand moist but not too wet or the tubers will be ruined. Place them in a house where a temperature of at least 65 degrees can be given. Young growth should appear in about three weeks and when the plants have made a growth of an inch or two they should be potted up using 6 to 8 in either a 5 or 6-inch pan or pot. Give them ample drainage and on this place some turfy material or sphagnum moss. Use a compost of two parts fibrous loam, two parts leaf mold and one part sand, then after placing the plants an equal distance apart, cover the roots with an inch of the compost, firming it around the roots. They should be then placed near the glass, and in a similar temperature to that in which they were started. Achimenes, while growing, like a good supply of water. When flowering begins they will take liquid manure about twice a week. If needed for decorations—as they make beautiful subjects for that purpose—they should be hardened off some before being removed from their warm quarters.

CANNAS

Cannas make very desirable plants for the center of formal beds, in borders to form the background for smaller plants, and for bold planting generally. Roots that have wintered over in a firm and sound state should now be started by dividing the clumps and cutting into pieces of two eyes. Discard any piece that is unsound and place them on dampened moss or sand on a bench and cover lightly with moss. They should have bottom heat, and temperature of from 60 to 65 degrees. When they have made 4 or 5 inches of growth they can be lifted and potted into 4-inch pots using any good rich soil, giving them the fullest light possible so that by planting-out time they will stand the strong sun and wind without harm.

CHRYSANTHEMUMS

Early varieties and those that are intended for exhibition should not be allowed to get root-bound as they will become hardened, which will check their growth. These plants are gross feeders so it is very important to look to the fertility of your soil if you mean to produce fine plants and bloom. Sod that was piled up last fall and mixed at the rate of one part of well-decomposed manure to three of chopped sod is good for shifts up to

May and after that use half its bulk of half-decomposed manure with some bone meal which will make an excellent compost for pot plants. Don't delay propagating all kinds that were especially meritorious last year. For a succession of propagation see that the stock plants are placed in good light and airy quarters. For medium and late varieties, of course, good stock can be propagated as late as the middle of May, but to have first-class stock get all the propagating done as soon after March as possible. To dispose of the black fly give two or three consecutive fumigations.

DOUBLE PYRETHRUM

Plants that are intended for Memorial Day should now be far enough advanced to go into 4-inch pots. Use a good loam three parts, manure one part, and place them in a house where they will have all the sun and plenty of ventilation. They like a cool atmosphere with a sufficient amount of moisture at the roots. As the weather gets milder and with strong sun they will do better if placed in a frame. About the end of April they will require another shift into either 5 or 6-inch pots. Keep the plants nicely staked up and do not overlook fumigating so green fly will not be allowed to get a foothold.

THE PERENNIAL BORDER

All florists should try to make their homes and places of business attractive by the use of plants. It will induce the people to love, care for, and use plants more abundantly in their own homes. As the ground dries up, remove the covering from the perennial border, and then look over the plants as the winter sometimes does considerable injury to many things. Now is a good time to make new show borders. Give plenty of manure and see that the ground is well trenched, because hardy perennials attain the most perfect development when not disturbed for some years. It is a good plan to replant the border every fifth or sixth year, digging up all the plants and giving the soil a liberal amount of cow manure and bone. The strong-growing kinds will need dividing. Before commencing to plant a border, it is well to construct tables or make a list of the material, specifying respective times of flowering, colors, and attitudes so as to have good arrangement. A good dressing of well-rotted manure thoroughly incorporated with the soil is absolutely essential for good results.

THE PROPAGATION OF DAHLIAS

Roots that were started early in this month should produce now some nice sturdy cuttings. Place these on a few inches of well-firmed sand with a little bottom heat. Given good care as to spraying, shading, and ventilation they will be ready in two or three weeks to pot up. After they are well established give them a place where they will have plenty of light and a temperature of from 50 to 55 degrees with ample ventilation. Don't forget to syringe on all bright days to keep down thrips and spider. Young seedlings that show the true leaves can be potted into 2-inch pots, and repotted as they may need it as it is not safe to plant out in this latitude before the first of June. These are all better if hardened off in a frame before they are planted out in the open ground.

John J. M. Farrell

South Norwalk, Conn.

Mr. Farrell's next notes will be on the following: Asters; Anthrums; Candytuft and Stocks; Care of Orchids; Nephrolepis; Preparation for Easter.

HORTICULTURE

VOL. XIII

MARCH 18, 1911

NO. 11

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page \$1.00
Discounts on Contracts for consecutive insertions, as follows:
One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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seed selling, in any or all of the nursery industries or in any of the allied avocations, you will find pleasure and profit, education and inspiring stimulus in this most notable event in American horticulture. It will be a week well-spent, yielding results material and intellectual which will repay a thousand fold for the effort. The Hub florists and gardeners are fully alive to the great honor which their city enjoys in being the Mecca of horticulture on this auspicious occasion and will leave nothing undone on their part as hosts to the visitors.

An opportunity neglected

Our seed trade notes make reference to the anomalous situation which will exist should the Canadian reciprocity agreement become a law. The privilege of shipping seeds to Canada free of duty loses much of its value to the seed trade if an almost prohibitive duty is exacted on seed catalogues. It is to be regretted that this possible complication was not detected sooner and effort made to have a more reasonable provision inserted. An opportunity, equally desirable, was neglected by the cut flower trade of New York and New England in not making some endeavor to have flowers included in the free list. Lower Canada has always been a good customer for American flowers and still will be, because of her short mid-winter days and low temperature. She would use many more of our flowers if it were not for that 25 per cent. duty and the risks and losses due to custom house delays and interferences.

"The bottom of the ocean"

Prof. Bailey, in his masterly address before the Massachusetts Horticultural Society, spoke of the cities as "half-way stations between the potash, phosphoric acid and nitrogen of the farms and the bottom of the ocean." Passing through a certain flower trade district a day or two later, in the morning hours, we were forcibly reminded of Prof. Bailey's remark on seeing the accumulation of withered flowers heaped in the garbage boxes awaiting transportation to the "bottom of the ocean." Musing on the capability of these products of the florists' labor to disseminate sunshine and gladness and, not lacking in inborn love for flowers ourselves, we confess to having experienced a twinge of regret for the wasted life of these most beautiful and inspiring of Nature's gifts. And then we pondered on the costly miscarriage of the fruits of the flower growers' labor which was here made manifest. An ignominious ending surely for flowers such as the highest exponent of the art could not produce a decade ago! Dr. Bailey's country produce in its prodigal course to the bottom of the sea had contributed something to the comfort of humanity as it passed along. But these flowers—"better they had never been born." We are to have a big gathering—unprecedented in numbers and in attainments—at Boston next week. The experts will have much to tell one another and to proclaim to the world concerning the production of flowers such as never grew before. Would it not be well that they should devote a goodly share of their time and thought to that waste barrel and its mouldy contents—to the labor in vain and broken hopes that go with its cargo to "the bottom of the sea?" Here is an economic question the vital importance of which will keep on growing from year to year and eventually force itself on us with a pertinacity from which there can be no escape.

This is our last word with our readers previous to the opening of the great National Flower Show. HORTICULTURE is a Boston publication, consequently it becomes our especial duty and pleasure to say COME. Boston will extend a cordial welcome to all. Whether engaged in floriculture as a commercial or private grower, dealer or artist, in landscape or garden work, in seed growing or

THE OUTLOOK COUNTRYWARD.

Professor L. H. Bailey, director of the New York State College of Agriculture at Cornell University, Ithaca, N. Y., was the speaker before the Massachusetts Horticultural Society Saturday afternoon, March 11.

Professor Bailey's subject was "The Outlook Countryward," and he said in part:

"Two important movements are now before the country—the country-life movement and the back-to-the-land movement. The country-life movement is the expression of the desire to make the farming regions as satisfying and effective socially and economically as are the towns and the cities. The movement is not only sound but is fundamental, for the reason that an effort to effectualize any necessary existing society is part of the progress of civilization.

"The present back-to-the-land agitation is largely a city effort, expressing many motives and ideas. It is in part an effort of the city to relieve its congestion, in part a desire to find labor for the unemployed, in part the result of the doubtful propaganda to decrease the cost of living by sending more persons to the land, in part the desire of certain persons to escape the city, and in part the effort of real estate dealers to sell land. There can be no objection to properly qualified city persons moving out to the open country, and many of them make good farmers; but for the most part the back-to-the-land movement is socially and economically unsound.

"Something can be done, perhaps, to relieve city congestion by finding opportunities for urban citizens in the country, but the extent of relief that really can be secured in this way is very small and it does not reach the core of the question; for the core of the question is that the city must learn to take care of its own and to solve its inherent problems, and that the whole interrelation of city and country must be solved by fundamental processes. Part of the congestion of cities is the increase due to immigration. Undoubtedly much can be done properly to disperse our aliens and to place them where they will be of service to themselves and to employers without constituting a problem of congestion. This, however, is a question of plain distribution rather than of land settlement. The real country-life movement itself will do something directly to relieve city congestion, because it will tend to keep country people in the country; and yet we must recognize the fact that many country people are better fitted by temperament for city life than for agricultural life.

"There seems to be much needless alarm over the decline of rural populations. We must remember that we have passed through the rural or agricultural phase of our evolution. In 1790, about nine-tenths of all our people were on the farms; a hundred years later about one-third (counting men, women and children) were on the land or very closely connected with it. I expect that the present census will show a smaller proportion, and possi-

bly the census of 1920 will show a still smaller ratio, although the ratio has already undoubtedly sunk too low in some localities or regions. We shall never again be a rural people. The best society is neither exclusively rural nor exclusively urban. What proportion the rural population must hold to the whole population, no one now knows. The decline in rural population is only one expression of the sorting of our people into their groups; and we have not yet struck bottom in this process.

"The powers of a single farmer are being much augmented by the application of knowledge, the development of business management, the use of machinery, and by cooperative enterprises. Of course, the actual number of farmers will immensely increase, but the ratio cannot be expected to increase. There will be a great increase in demand for products of the farm as civilization progresses and as tastes become more complex, but the expanding powers of individual landmen will be able to supply these enlarging demands. What will be the ra-



DR. LIBERTY H. BAILEY

tio of increase in demand for agricultural products, no one yet can say. It is true that the progress of civilization does not greatly enlarge a man's eating capacity, but it greatly increases the variety of his food and improves its quality, and this of itself, wholly aside from the quantity of the demand, will call for much greater activity and skill on the part of the farmer. But human food crops are probably not one-half the agricultural produce, and these other products increase in intimate ratio with the progress of civilization. These other supplies are cotton, wool, hemp and other fibres, timber and all timber products, all paper materials, the output of floriculture and other special industries, leather, and practically all other produce of the earth with the exception of metals and minerals and coal. Very much is going to be demanded of the farmer to supply all this wealth and variety of material.

"There is probably sufficient ratio of persons now living on the land, to supply all this increasing demand for the raw materials, if only these persons were properly effective. To displace

them or to augment them by city people may provide a corrective here and there, but it can be only an incidental factor. The great question is how to reach the people who live on the land, how to sort out those who ought not to live on the land, and how to direct our economic and social growth so as to make it profitable and attractive and in every way worth while for a man to live on the land throughout his life.

"I do not think that the mere lessening of the numbers of rural people has any very close relation to the cost-of-living question. The great problem in this regard is to improve our means of distribution, so that the materials may be taken from the producer to the consumer with the least delay, the least cost and the least waste. It is a shameful commentary on our economic and social system that in these days of great production of agricultural produce in the fertile land of North America, people still suffer for food in the great cities. We need to give much more attention to the distribution of our products than merely to placing more persons on the land. Persons will be satisfied to live on the land just as rapidly and as far as it is economically profitable and socially pleasant for them to live there.

"Our civilization is a system of economic loss. Society is built on the process of waste. The city drains the goods from the open country, extracts the kernel, and throws the husks into the rivers and the sea. The cities are half-way stations between the potash, phosphoric acid and nitrogen of the farms and the bottom of the ocean. The city tends always to destroy its province. It sits like a parasite, running its roots into all the surrounding country and draining it of its life-blood. Many a rural community is already sucked dry. Our business or commercial structure is responsible for the wastes of distribution. That it should require sixty-five cents out of every hundred to remove a good part of our produce from the land to the dinner table, is an indication that we are living in a very imperfect and undeveloped economic era.

"The organization of society does not seem to have within itself the means of its own correction or salvation. We are obliged to apply correctives by extraneous legislative and legal processes in order to control the streams of waste. Until we evolve a structure in which economic waste is inherently reduced to the minimum, we cannot expect to make great progress toward a self-sustaining civilization. We have yet no large permanent agriculture; and this means that we have yet no permanent civilization.

"To find some real economic relationship between city and country whereby the city will give back something to the country rather than to take everything from it, and whereby it will be as much interested in maintaining the producing-power of land as in developing art and literature and municipal systems, is the fundamental problem of civilization. City and country are coming together sympathetically, but this is largely a matter of acquaintanceship. There is no real adequate coordination between the two. If the city is ever really to aid the country, it must be mostly by the development of this mutual coordination and not by the city going into farming. Farming is a business for farmers.

NATIONAL FLOWER SHOW

Convention Program of Society of American Florists and Affiliated Organizations

CONVENTION NOTES.

A special rate of 1 3-5 on the certificate plan has been granted by the New England Passenger Association excepting Eastern Steamship Co., the Trunk Line Association, and the Central Passenger Association. Tickets may be secured not earlier than March 22nd and not later than March 27th and will be good returning to April 5th, inclusive. In securing your tickets purchase regular full one-way first-class fare and be sure to ask for a certificate. No reduction in fare will be made unless a certificate be secured at the time of the purchase of the ticket.

When returning, certificates should be presented at the railway ticket office and a ticket at three-fifths (3-5) of the regular fare will be furnished you.

For those living west of Chicago and St. Louis, tickets should be bought to those cities from which points tickets may be secured at the reduced rates. It will be well to confer with your agent concerning rates and routes.

The offices of the secretaries are in Mechanics Building.

Office of the National Flower Show Committee is in Mechanics' Building. Chester I. Campbell, manager of the show, is in charge. All business connected with the Flower Show should be presented there.

New Members. Those desiring to become members of any of the societies should apply at the office of the respective secretaries.

Paying Dues. Dues may be paid and orders for members' tickets obtained at the office of the respective secretaries.

Railway Certificates. Railway certificates should be deposited with the Secretary of the S. A. F. & O. H. immediately upon arrival at Mechanics Building. The fee of 25 cents must be paid when certificate is deposited. Certificates will be signed by the agent from 9 a. m. to 6 p. m. on March 27, 28 and 29. No certificate will be signed before or after these dates. Certificates must be called for before 11 a. m. on March 31st.

Members' Tickets. Orders for members' tickets must be presented to the committee in charge of admission and exchanged for regular tickets. All orders and tickets in hands other than the owners will be taken up and cancelled.

Register. All members of the S. A. F. & O. H. and affiliated societies should register with the secretary of the S. A. F. & O. H., so that a record may be kept of the attendance, and so that members may be located when asked for.

PROGRAM FOR THE MARCH CONVENTIONS.

MONDAY, MARCH 27, 1911.

First Day—Opening Session.

S. A. F. & O. H.

10:30 A. M. General meeting for the opening of the Convention. Welcome by President Asmus. Welcome by Boston florists.

First Day—Afternoon Session.

American Rose Society.

2:30 P. M. Call to order by President W. H. Elliott. Address by President. Secretary's report. Treasurer's report. Reports of Committees.

First Day—Evening Session.

American Rose Society.

8:00 P. M. Paper, August Poehlmann, Morton Grove, Ill. Paper, "The Science of Rose Growing," W. R. Pier-son, Cromwell, Conn.

TUESDAY, MARCH 28, 1911

Second Day—Morning Session

American Rose Society.

10:30 A. M. Selection of place of meeting, 1912. Election of officers. Discussion on new roses to be opened by prominent rosarians. Miscellaneous business.

Second Day—Afternoon Session.

American Rose Society.

2:30 P. M. Papers by: Richard Vincent, Jr., White Marsh, Md., upon his trip to Brussels Exhibition; Rev. Spencer S. Sulliger, Vancouver, Wash., special representative at the National Rose Exhibition held in London, England. Address by W. G. MacKendrick, Toronto, Can. Unfinished business.

National Sweet Pea Society.

2:00 P. M. Meeting of Executive Committee.

Second Day—Evening Session.

American Carnation Society.

7:30 P. M. Call to order. President's address. Secretary's report. Treasurer's report. Report of Nomenclature Committee. Miscellaneous business. Invitations for 1912 meeting. Nomination of officers. Short talks on the American carnation in Europe by visitors from abroad. Report of judges.

WEDNESDAY, MARCH 29, 1911.

Third Day—Morning Session.

Chrysanthemum Society of America.

10:00 A. M. Call to order. Discussion of questions of day. Miscellaneous business.

Florists' Telegraph Delivery.

10:00 A. M. Business meeting.

Third Day—Afternoon Session.

National Sweet Pea Society.

3:00 P. M. Welcome by George Asmus, president S. A. F. & O. H. President's address and reply. "Trials of Sweet Peas Under Glass as Tested in the Experiment Station at Cornell

University," Prof. A. C. Beal. "Sweet Peas and the Results of Our Experiments at the Trial Grounds," Prof. Craig. "The Growing of Sweet Peas Under Glass," Mr. Wm. Sim. "The Latest Novelties in Sweet Peas," G. W. Kerr. Invitations by cities and societies for meeting place for the exhibition and convention next summer.

Are you a member of the National Sweet Pea Society of America? If not, you should send for an application blank; the annual dues are \$2, life membership \$25. For further information write to the secretary, Harry A. Bunyard, 342 West 14th street, New York, N. Y.

Florists' Telegraph Delivery.

2:30 P. M. Business meeting.

Third Day—Evening Session.

American Carnation Society.

8:00 P. M. Call to order. Deferred reports. Deferred business. Selection of meeting place for 1912. Discussion of president's address and secretary's report. New business. Appointment of committees. Election of officers.

THURSDAY, MARCH 30, 1911.

Fourth Day—Morning Session.

American Carnation Society.

9:30 A. M. Call to order. Final report of judges. Deferred business. Adjournment.

The reading of papers and all other unnecessary business has been eliminated from the program this year. It was deemed desirable to make the meetings short, on account of the great amount of interesting and instructive displays in the show. Members will find enough in the show to occupy their full time. All the meetings have been set for the evenings to give the members opportunity to visit the growers in the vicinity of Boston, without having to miss the meetings.

Notice—The secretary will leave for Boston on Sunday, March 26th. All mail which would not reach him by Saturday, March 25th, should be addressed to him at the Hotel Lenox, Boston, which will be A. C. S. headquarters.

You can still make entries for the show, but you will have to add \$2.00 for each entry you make after March 18th.

Fourth Day—Afternoon Session.

American Gladiolus Society.

2:00 P. M. Reading of minutes of last meeting. Reports of officers, bulletin committee, exhibition committee, Boston show, Baltimore show, committee on nomenclature, exhibition committee on rules governing the awarding of "certificates of merit," and suggesting a "scale of points" to use in judging. New business. Discussion: "What action shall our Society take when the same name has been given to several different varieties of gladi-

oli and when different names have been given to the same variety?" Opened by A. Cowee, Berlin, N. Y.

National Society of Gardeners.

Fourth Day—Evening Session.

In the hands of Boston florists.

FRIDAY, MARCH 31, 1911.

Fifth Day—Morning Session.

S. A. F. & O. H.

9:00 A. M. President's address. Report of the secretary. Report of the treasurer. Preliminary report of National Flower Show committee. Miscellaneous business.

Fifth Day—Afternoon Session.

S. A. F. & O. H.

2:00 P. M. 10-minute talks by presidents of various societies: George Asmus, president, S. A. F. & O. H.; Fred Burki, president, A. C. S.; W. H. Elliott, president, A. R. S.; Elmer D. Smith, president, C. S. A.; W. Atlee Burpee, president, N. S. P. A.; I. S. Hendrickson, president, A. G. S.; J. A. Valentine, president, F. T. D.; William Kleinheinz, president, N. S. G.

Fifth Day—Evening Session.

S. A. F. & O. H.

8:00 P. M. Illustrated lecture, "Trees, Shrubs and Flowering Plants," John Dunbar, Asst. Supt. of Parks, Rochester, N. Y.

SATURDAY, APRIL 1, 1911.

Sixth Day—Morning Session.

S. A. F. & O. H.

9:00 A. M. Unfinished business. Adjournment.

ADDITIONAL PRIZES.

The National Flower Show Committee announces the following additional prizes to the schedule:

- No. 446. King Construction Co., prize for vase of 30 blooms of any rose introduced since Jan. 1, 1900; silver cup.
- No. 447. Display of cut lilac blooms; 1st prize, \$15.00; 2nd, \$10.00.
- No. 448. Display of cut blooms of lily of the valley; 1st prize, \$15.00; 2nd, \$10.00.
- No. 449. Display of cut blooms of Amaryllis; 1st prize, \$15.00; 2nd, \$5.00.
- No. 450. Display of blooms of Marguerites; 1st prize, \$10.00; 2nd, \$5.00.
- All to be staged Saturday, March 25; judging at 3 P. M.
- No. 451. Ladies' S. A. F. prize for the best table decoration, silver cup.
- No. 452. Boston Flower Exchange prize for the best floral design, originality to count 25 points; 1st prize, \$50.00; 2nd, \$30.00; 3rd, \$20.00.

To be staged Friday, March 31st; judging at 3 P. M.

The National Society of Gardeners

will also offer about thirty silver cups and numerous medals for prizes to be competed for at the National Flower Show, schedule of which society will be issued in a few days.

By order of the President, notice is hereby given that the mid-lent meeting of the Executive Board of the Society of American Florists and Ornamental Horticulturists will be held at Boston, Mass., from March 25th until April 3rd with an adjourned meeting to be held at Baltimore on April 4th. Meetings are called at Boston for 9 A. M. each morning from March 25th to April 3rd inclusive. The meeting at Baltimore is called for 10 A. M. on April 4th and will remain in session until all business is disposed of.

H. B. DORNER,
Secretary S. A. F.

OUR BRITISH VISITORS.

The party of British tourists which sailed for the United States last Saturday includes a quartette of Covent Garden growers, namely:—G. Prickett who excels in chrysanthemums, one of the oldest members of the National Chrysanthemum Society, W. A. Cull and G. Pratley who grow ferns and pot plants by the million, and L. M. Graves in the front rank with cyclamens and primulas. Roses will be represented by J. Brown of W. & J. Brown, Stamford; hardy flowers by J. S. Gunn of Gunn & Sons, Birmingham who grow and show phlox and hardy flowers second to none; the carnation by C. Engelmann, the raiser of Carola, one of the best growers and keenest hybridizers, also by J. S. Brunton, one of the originators and Chairman of the Perpetual Flowering Carnation Society since its inception. The Horticultural Sundries trade will be represented by S. South of London and E. Barker of Manchester, etc.

Should any American friends desire to correspond with members of the party, they should address letters to:—Care Messrs. Thos. Cook & Sons, 1200 Broadway, New York.

BUFFALO FLORISTS' CLUB.

The annual banquet and flower show which was held by the Buffalo Florists' Club last week was a decided success.

Officers for ensuing year were elected as follows: President, George McClure, Jr.; vice-president, Joseph Sangster; secretary, Wm. Legg; financial secretary, J. Deutscher; treasurer, Chas. Sandiford; directors, W. J.

Palmer, W. A. Adams, Chas. Guenther.

The banquet hall was beautifully decorated. New varieties in roses were sent by A. N. Pierson, including Lady Cromwell, a shell-pink sport of My Maryland, Prince de Bulgarie, Reliance and Dark Pink Killarney. The new red carnation, Bonfire, and Aaron Ward roses came from E. G. Hill & Co.; Rainbow carnation from Wanoka Greenhouse; carnations from F. Dornier & Son and Chicago Carnation Co.; the new light pink Ideal from N. C. Stroh, Attica; carnations from C. T. Guenther and W. J. Palmer & Son; White and Pink Killarney and Richmond roses from Erie Floral Co.; Sweet peas from Wm. Ehmann. The members were much taken up with the fine display of blooms.

A fine programme of entertainment was arranged by the committee including lantern slides by O. G. Gilles consisting not alone of cartoons of the members but some interesting slides of bridal bouquets, table and church decorations, landscapes and winter scenes at Niagara Falls.

The able toastmaster, Wm. F. Kastling, called on many for a few remarks and those heard from were well appreciated. An invitation was read from the Rochester Bowling Club to induce every member of the Buffalo Bowlers to join in the return match on March 8th.

E. C. B.

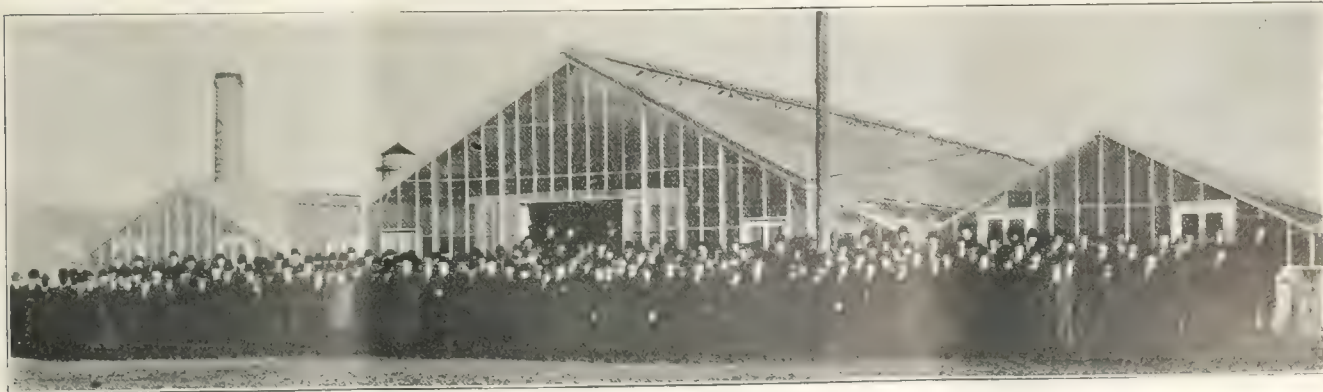
ST. LOUIS RETAIL FLORISTS' ASSOCIATION.

The Retail Florists' Association held its monthly meeting on March 6th. The meeting was well attended and they voted favorably to condemn any wholesaler, local or outside, who sold flowers to any local department stores having no regular floral department. The report of the "crepe pulling" committee was received and will be acted upon at the next meeting.

CLUB AND SOCIETY NOTES.

On Saturday night, March 18, occurs the annual dinner of the New York Florists' Club at Shanley's. We understand that the sale of tickets for the event has been unprecedented, practically every seat being sold in advance.

The Gardeners' and Florists' Club of Boston will have its regular monthly meeting next Tuesday evening, March 21, and this being the last meeting before the opening of the National Flower Show, a large attendance is anticipated.



Visiting Florists at Dreer's Riverview Establishment, March 8, 1911.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The attendance at the March meeting was nearly 100. Mr. O'Mara reported hopefully on the recent trip to Albany on behalf of the appropriation for greenhouses at Cornell. Mr. Totty told of the similar movement in New Jersey for greenhouses at New Brunswick. Mr. Weathered reported on the outlook for the club dinner, March 18, and Secretary Young reported on behalf of the Outing Committee that the outing would be on June 28 at Wetzel's Point Grove. "Souvenir Program" will be discontinued.

Frank McMahon of Seabright, N. J., addressed the meeting on the dangers of gas distribution under pressure through old and short-lived pipe and protested against permitting its use as deadly to street trees. Many members participated in the discussion. Mr. Weathered said he had never known of a wrought iron pipe lasting over 10 years. He says all pipe used now is steel tubing and five years is the limit of its life. Mr. Berry spoke of pipes, cast iron, lasting 60 years. Mr. O'Mara referred to a case in Jersey where a man collected damages for leaking gas, and thought a municipality could collect damages for injured trees by gas. Mr. Totty referred to Mr. Simpson's experience at Clifton, N. J., and a suit for damages he is bringing against the company. The subject was referred to the legislative committee. Mr. Bunyard's report recommending the Fall River Line route to the Boston Exhibition was approved. Mr. Siebrecht reported that the Board of Aldermen had passed the resolution for the new flower market and that on April 1 the Canal Street market would move to space between First and Second avenues, the permanent market to be ready by July 1. A committee was appointed to meet the English visitors due to arrive on Friday and extend to them an invitation to the club dinner. Five minute talks on various practical topics were made by A. L. Miller, John Birnie, H. A. Bunyard, E. S. Hendrickson, Jas. T. Scott, Robert E. Berry and Harry Turner.

The committee on awards reported on visit to C. H. Totty to inspect carnation Wodenethe and gave 93 points to that fine variety, which entitles it to a certificate. They also reported 88 points and a certificate to Wm. Kleinhertz of Ogontz, Pa., for carnation Dimple Widener.

Among the exhibits on the tables were the following: L. P. Lord, Frost-proof Plant Box; Chas. Weber, carnation Brooklyn and seedling, No. 2; Wm. Eccles, carnations; Howard Gould carnations; A. C. Zvolanek, 75 varieties of sweet peas. Certificates were recommended by the judges for Mr. Zvolanek and Mr. Lord; cultural certificate for Mr. Eccles, and "highly commended" for Mr. Weber.

TUXEDO HORTICULTURAL SOCIETY.

A regular meeting was held by this society on Wednesday evening, March 1st. There was a very good attendance. The exhibits of roses, carna-

tions and other cut flowers were good. David McIntosh, George Thomson and Simon Hilmer were appointed judges and they awarded the following prizes:

Roses. Class A—D. S. Miller, Killarney, first; D. S. Miller, Bridesmaid, second; Joseph Tansey, Bridesmaid, third; D. S. Miller, White Killarney, first; D. S. Miller, Bride, second; Joseph Tansey, Bride, third; Joseph Tansey, Richmond, first. Class B—Albert Fischer, Bridesmaid, first.

Carnations. Class A—D. S. Miller, Rose Pink, first; Joseph Tansey, Alma Ward, first; D. S. Miller, White Enchantress, second; Joseph Tansey, Red, first; D. S. Miller, second. Class B—Patrick Cassidy, Red, first; Albert Fischer, Enchantress and White Enchantress, first.

Sweet Peas. Albert Fischer, Xmas white, first; pink, second.

Violets. Patrick Cassidy, first.

Honorable Mention to Albert Fischer for Antirrhinum and to Wm. Hastings for a very fine display of cut flowers. First Class Certificate of Merit to Albert Fischer for Cattleya Percivaliana.

A very interesting lecture was given on "Botany as an Aid to Horticulture," by James Scott, Elmsford, N. Y. Mr. Scott combined the scientific and practical in a way one seldom hears from the botanist. He dissected a carnation flower, explaining its various parts and their uses. He dwelt particularly on the color of the petals and the part they play in attracting insects for the purpose of polonization and showing how fertilization takes place. He explained at length how the leaves absorb the carbon-dioxide of the atmosphere, liberating the oxygen and give it back in a free state. Then how the carbon that was left in the store of the leaf was combined with the hydrogen and oxygen that was drawn up from the roots by capillary attraction and to form starch which had again to be changed to dextrine or grape sugar in order to flow freely down the plant cells.

At the close of the lecture Mr. McIntosh asked what ingredients the plant took up by means of the roots. Mr. Scott gave the names of six or seven essential ingredients. Mr. McIntosh was particularly anxious to know what influence bacteria had in the soil. Mr. Scott explained that it was particularly useful in rendering many of the ingredients more available. The society extended a hearty vote of thanks to Mr. Scott.

ALBERT FISCHER, Sec.

AMERICAN PEONY SOCIETY.

A meeting of the committee to arrange for the next exhibition of the American Peony Society to be held under the auspices of the Pennsylvania Horticultural Society in Horticultural Hall, Philadelphia, Pa., next June was held at the Pennsylvania Horticultural Society's rooms on Wednesday afternoon, March 1, 1911.

There was a full attendance of the committee as follows: Bertrand H. Farr, President of the American Peony Society, chairman; J. H. Humphreys of the Andorra Nurseries, H. C. Simm of Henry A. Dreer Co., S. Mendelson Meehan of Thomas Meehan & Sons, and J. H. Styer of Concordville, Pa. Also present David Rust, secretary of the Pennsylvania Horticultural Society, and R. T. Brown of the Cottage Gardens Co., New York.

The meeting was very enthusiastic and gave encouraging promise of a

most successful exhibition next June. The committee were gratified to receive the offer of a number of special premiums from different firms and were assured by Mr. Rust of the hearty co-operation of the Pennsylvania Horticultural Society and other local exhibitors. It is intended if possible, to arrange the date so that the local mid-season varieties will be in their prime, which will allow exhibitors from the north to send their earlier varieties and those from the south will be enabled to exhibit their later kinds.

YONKERS HORTICULTURAL SOCIETY.

A largely attended meeting of this society was held on Friday, March 3rd. It was decided that the fall exhibition be so arranged that the date will not clash with other shows in the New York district. A committee was appointed to get busy and arrange for a clam bake, the date to be decided later.

R. Cochrane's prize brought out quite an array of exhibits. Messrs. Wright, Hoffman and Hebach were appointed judges and reported as follows: First, *Lilium Harrisii* var. Jamesii, finely shown by S. Untermyer, Sup't A. Herrington; second, violet Princess of Wales, from W. B. Trevor, Sup't H. Nichols. Gardenias from the Lilienthal estate, Sup't H. Scott received honorable mention. The new carnation White House, showing perfect quality, was finely exhibited by C. H. Totty, of Madison, N. J. Next regular meeting is to take the form of a social evening, being given over to music and refreshments, with a prize for the most meritorious exhibit.

H. M. B.

HUNTINGTON HORTICULTURAL AND AGRICULTURAL SOCIETY.

The annual carnation exhibition of this society was held on Feb. 23. The awards were as follows:

H. T. & A. H. Funnell for dark pink carnations, white carnations, freesias, mignonette and spring flowers. R. W. Deforest, gardener Robt. Hillock, first for Enchantress. L. D. Hurd first for scarlet carnations and sweet peas. Kramer Bros., Farmingdale, first for carnations and specimen blooming plant. W. J. Matheson, gardener Jos. Kirby, first for violets.

Kramer Bros. were given a certificate of merit for a new *Asparagus plumosus* originating with them, and for a seedling carnation of fine color, form and stem. H. T. & A. H. Funnell received a cultural certificate for cyclamen, and James Kirby honorable mention for *Primula obconica* and *narcissus*. James Duthie was the judge.

A. H. Funnell, Sec.

TARRYTOWN HORTICULTURAL SOCIETY.

At the regular monthly meeting of the Tarrytown Horticultural Society held on Friday evening, February 27, favorable action was taken on a communication from the New York Florists' Club asking the co-operation of this Society in securing the passage of a bill appropriating \$50,000 to erect greenhouses at Cornell for experimental purposes.

It was announced that the fall show will be held October 31 to November 2nd in Music Hall, Tarrytown. Subject and exhibits for the next meeting will be Roses and Bulbous Flowers.

GEO. MCINTOSH,
Cor. Sec'y.

AMERICAN ROSE SOCIETY.

The following gentlemen have accepted the positions of judges in the rose division of the National Flower Show: William F. Kasting, Buffalo, N. Y.; Frederick Burki, Gibsonia, Pa.; Otto G. Koenig, St. Louis, Mo., and Emil Buettner, Park Ridge, Chicago, Ill.

The program provides for three meetings, headed the "Commercial Growers' Meeting," the "Business Meeting" and the "Amateur Rose Growers' Meeting."

Eber Holmes is manager of the rose division and will look after details on the spot. Anyone having special prizes to offer, dues to pay, or other matters of interest, should write to the secretary.

A special prize has been added to the list for the coming show in Mechanic's Hall, Boston, from Mr. Alexander Montgomery, Natick, Mass.—a silver cup, valued at \$25, to be offered for the Best New Rose of American Origin of 1909-1910. The Toronto Horticultural Society of Toronto, Ont., offers two prizes—a silver medal, first, and a bronze medal, second, for Specimen Hardy Climbing Roses and, in judging, fragrance is to count 33 points.

Eber Holmes, of Montrose, Mass., manager of the Rose Section, writes that everything is going on fine, and that the vases for the cut flowers will be furnished.

Thomas Roland, of Nahant, Mass., will make a rose garden, and M. H. Walsh, of Woods Hole, Mass., will send on a remarkable display of pot roses.

Tickets will be issued to the members of the American Rose Society who do not belong to the Society of American Florists and Ornamental Horticulturists. These tickets will not be transferable.

BENJAMIN HAMMOND, Sec

AMERICAN CARNATION SOCIETY.**Registration of New Carnations.**

By J. H. Leach & Son, North Easton, Mass., Pink Supreme—Seedling X Boston Market; color flesh pink; size 3½ inches; habit similar to Fairmaid; flower larger and fuller; strong stiff stem; does not split the calyx.

By Chas. Weber, Lynbrook, L. I., N. Y.—Brooklyn—Prosperity X Mrs. Thos. W. Lawson. Color bright deep pink; size 3½ inches; habit same as Lawson, with foliage not quite so heavy; free growing, very healthy, prolific, every shoot running to flower; form of flower somewhat irregular, slightly fringed.

A. F. J. BAUR, Sec'y.

THE GREAT National Flower Show

MECHANICS BUILDING
BOSTON, MASS.

March 25th to April 1st, inclusive

Under Auspices
Society of American Florists
in connection with

American Rose Society, American Carnation Society,
National Sweet Pea Society, Gladiolus Society, National
Association of Gardeners, Florists' and Gardeners'
Club and the Massachusetts Horticultural Society.

Applications for Space in Trade and Competition
Departments now receivable.

Write for Complete Premium List
for the

\$10,000 in Prizes, and diagram of floor space to

CHESTER I. CAMPBELL, Gen'l Mgr.

5 Park Sq., BOSTON, MASS.

OBITUARY.

William Webster.

At the age of 94 years, William Webster, died March 7 at his home in Rochester, N. Y. Death was due to the weaknesses of extreme age. Mr. Webster was born in Hamstead, England; in 1828 he came to New York city with his father, and since 1833 he had made his home in Rochester. As a landscape gardener he laid out many public and private places in various parts of the country. He was a frequent contributor to technical magazines on the subject of horticulture, and was the author of "Webster's Landscape and Ornamental Gardener"

B. F. Washington.

B. F. Washington, colored, a florist of North Stoughton, Mass., and a stallholder in one of the Boston flower markets, died on March 15, aged 70 years. Death was caused by a bron-

chial trouble of only four days' duration.

Richmond, Va.—For the purpose of testing the ordinance under which an effort was made by members of the Markets Committee to compel flower dealers having stands at the entrance to the Second Market to vacate, J. D. Hooper, who conducts a greenhouse and sells his flowers and plants in the city, was arrested and haled to the police court on March 7. The hearing was held after the regular session of the police court, Hooper being charged with obstructing the street and refusing to remove the obstruction when asked to by the police. He claimed that he grew his flowers and brought them to market the same as the farmer and trucker disposes of his stock. He claimed exemption from the operation of the ordinance, explaining that he was a flower farmer.

COPLEY SQUARE HOTEL

Huntington Avenue, Exeter and Blagden Streets

BOSTON, MASS.

Nearest hotel (only one block) to Flower Show. Rooms without bath \$1.50 per day up, with bath \$2.00 per day up. European plan. 350 rooms, 200 private baths.

AMOS H. WHIPPLE, Proprietor

During Recess

Greater New York Florists' Association.

About 80 members of the Greater New York Florists' Association with their wives and invited guests, assembled at the Cafe Raub, last Thursday evening, on the occasion of their first annual reception and banquet.

Hugo H. Jahn, vice-president of the association, acted as toastmaster for the evening. In response to a "Toast to the Organization," David Y. Mellis, the president, welcomed the guests in a cordial manner and expressed his gratification on seeing such a large and representative body of florists from Brooklyn. Among those present from New York were President J. B. Nugent, S. S. Butterfield, J. Austin Shaw and J. H. Pepper.

The committee on arrangements comprised: Hugo H. Jahn, chairman; Robert G. Wilson, William A. Phillips, George I. Laird and F. G. Van Mater.

New York Bowlers.

Friday evening, March 10, saw a good-sized crowd at the alleys on West 23rd street, but, with the exception of the invincible Chadwick, no one covered himself with glory in the way of scores. Below is the record:

Miller . . 100	—	Shaw . . 111	117	112
A. R'ds. 132	—	Kakuda 119	134	99
Kl'man . 147	—	Nugent . 120	103	107
Scott . . 120	109	M'shall . 101	104	154
F'n'rich . 140	147	W. R'ds. 151	149	132
Duggan . 141	95	Ch'wick 186	173	201
Holt . . 117	112	108		

Buffalo vs. Rochester.

The match game of bowling between Buffalo and Rochester was had on March 8th at Rochester and the Buffalo boys returned as winners. About twenty joined the party for Buffalo and reports from those in attendance state that an excellent time was had by all. The visitors were sumptuously entertained.

PHILADELPHIA NOTES.

Maurice Fuld gave a lecture on Dahlias at the monthly meeting of the Germantown Horticultural Society on the 13th inst.

George Samtman, one of the most noted rose growers in this part of the country will go in largely for the new Double Pink Killarney this season. Myers & Samtman of Chestnut Hill will also grow this variety. Both concerns have just placed their orders for heavy blocks of the young stock with the Pennock-Meehan Co.

Arthur Zirkman and Robert Schoch knights errant for M. Rice & Co., have returned from their New England campaign. They had show rooms in Boston for two weeks and were besieged with visitors all that time. Fat orders, many of them running into eight, ten and twelve pages each, were gleefully flashed in your correspondent's face—and the stacks of them pointed to with pride. Best trip ever! Other sections of the country may be all right but, oh, you Down East.

Visitors: James Brown, Jr., Coatesville, Pa.; J. Murray Bassett, Hammononton, N. J.; George Samtman, Hatfield, Pa.; W. C. Langbridge, Cambridge, N. Y.

The Thorndike Hotel

Boylston St., opp. Public Garden, Boston

Recognized as one of Boston's Best Hotels. Suited to the requirements of tourists — and the best class of Business men and their families.

Rates Per Day

Single Rooms \$1.50, \$2.00, \$2.50; with Bath \$2.00 to \$4.00. Double Rooms \$2.50 to \$4.00; with Bath \$3.50 to \$6.00. Parlor, Chamber and Bath \$6.00 to \$10.00.

"Ye Old English Room"

Conspicuous for its cuisine and service. High class and same standard as the best New York restaurants.

Visitors to the National Flower Show Should
Book at the Thorndike, Five Minutes
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BOSTON'S MOST POPULAR HOTEL



Reserve your accommodations for the National Flower Show NOW.

THE BRUNSWICK
Boylston St. and Copley Sq.

European and American Plan

HERBERT H. BARNES, Prop.

HOTEL WESTMINSTER

Copley Square, Boston.

C. A. GLEASON

NEWS NOTES.

Corfu, N. Y.—The Farnham Greenhouses have been purchased by Thomas Doyle, who will use them in growing carnations and peas for the Buffalo market.

West Chester, Pa.—A two-story 36x80 foot building is being erected

by the Morris Nursery Co. on the site of the burned packing shed near Maple avenue station.

New Bedford, Mass.—Rumor has it that the greenhouses on Hillman street will be leased by Wm. E. Mosher, whose place on North street was burned out on Dec. 3, 1910.

Boddington's Quality Sweet Peas

INCLUDING ALL THE SUPERB SPENCER VARIETIES

If you are an up-to-date florist you should include these varieties in your order.

At the exhibition of the National Sweet Pea Society of America, held at the American Museum of Natural History, New York City, July 12 and 13, 1910, we were again awarded the C. C. Morse Co.'s **SILVER CUP** for the finest collection of Sweet Peas. Open to the trade only.

	Per lb.	Per ¼ lb.	Oz.		Per lb.	Per ¼ lb.	Oz.
AGNES JOHNSTON, light pink and clear pink	\$0.30	\$0.10	\$0.05	LADY GRISEL HAMILTON, lavender and mauve	.50	.15	.10
*AMERICA SPENCER, striped and mottled	3.00	1.00	.35	LOTTIE ECKFORD, lavender and mauve, picotee-edged	.30	.10	.05
*APPLE BLOSSOM SPENCER, rose or pink and white	2.50	.75	.25	LORD NELSON, violet and indigo	.30	.10	.05
*ASTA OHN SPENCER, lavender and mauve	2.00	.75	.25	*MARIE CORELLI, rose-crimson	5.00	1.50	.50
*AURORA SPENCER, striped and mottled	5.00	1.50	.50	MID BLUE, blue and purple	3.00	1.00	.35
BOLTON'S PINK, orange-pink, etc.	.30	.10	.05	MILLIE MASLIN, crimson-scarlet	2.50	.75	.25
BLANCHE FERRY, EXTRA EARLY, rose or pink and white	.25	.10	.05	MISS WILLMOTT, orange-pink, etc.	.30	.10	.05
*BLANCHE FERRY SPENCER, rose or pink and white	2.50	.75	.25	MONT BLANC, pure white	.75	.25	.10
BLACK KNIGHT, maroon	.50	.15	.10	MRS. GEO. HIGGINSON, JR., lavender and mauve	.25	.10	.05
*BLACK KNIGHT SPENCER, maroon	2.50	.75	.25	MRS. ALFRED WATKINS, light pink	.30	.10	.05
BURPEE'S EARLIEST WHITE, pure white	1.50	.40	.15	*MRS. SANKEY SPENCER, pure white	1.75	.50	.20
*CAPTAIN OF THE BLUES SPENCER, blue and purple	2.00	.60	.25	*MRS. RUTZAHN SPENCER, light pink, buff and pink	3.00	1.00	.35
COUNTRESS OF POWIS, orange-pink, etc.	.75	.25	.10	MRS. COLLIER, pale yellow and primrose	.30	.10	.05
*COUNTESS SPENCER, TRUE STOCK, light pink shades, etc.	.75	.25	.10	MRS. WALTER WRIGHT, mauve and blue	.50	.15	.10
*COUNTESS SPENCER HYBRIDS MIXED, mixed	1.00	.25	.10	*MRS. WALTER WRIGHT SPENCER, mauve and blue	2.50	.75	.25
DAINTY, light pink shades, etc.	.30	.10	.05	NAVY BLUE, violet and indigo	.30	.10	.05
*DAINTY SPENCER, light pink almost white	5.00	1.50	.50	*NORA UNWIN, pure white	.75	.25	.10
DUKE OF WESTMINSTER, blue and purple	.30	.10	.05	*OTHELLO SPENCER, maroon	2.50	.75	.25
DOROTHY ECKFORD, pure white	.30	.10	.05	*PARADISE, light pink shades, etc.	.50	.15	.10
EARLIEST OF ALL, rose or pink and white	.75	.25	.10	*PHYLLIS UNWIN, light pink, buff and pink	.75	.25	.10
EARLIEST SUNBEAMS, pale yellow or primrose	.75	.25	.10	*PICOTEE, light pink, almost white	5.00	1.50	.50
*E. J. CASTLE, rose-crimson	.50	.15	.10	*PRINCESS BEATRICE SPENCER, light pink, buff and pink	1.75	.50	.20
*EVELYN BYATT, orange-pink, etc.	.50	.15	.10	*PRINCE EDWARD OF YORK SPENCER, orange-pink or salmon	4.00	1.25	.40
*ENCHANTRESS, light pink shades, etc.	1.00	.35	.15	PRINCE OLAF, violet, feather-white	.75	.25	.10
FLORA NORTON, blue and purple	.30	.10	.05	*PRIMROSE SPENCER, pale yellow or primrose	1.50	.50	.20
*FLORA NORTON SPENCER, blue and purple	3.00	1.00	.35	PRIMA DONNA, light pink and clear pink	.30	.10	.05
*FRANK DOLBY, lavender and mauve	1.25	.40	.15	PHENOMENAL, lavender and mauve, picotee-edged	.50	.15	.10
*FLORENTINE MORSE SPENCER, light pink and clear pink	1.50	.40	.15	QUEEN ALEXANDRIA, crimson-scarlet	.50	.15	.10
*GAITY SPENCER, striped and mottled	3.00	1.00	.35	*QUEEN ALEXANDRIA SPENCER, crimson-scarlet	4.00	1.25	.40
*GEORGE HERBERT, light pink shaded deeper pink	1.00	.35	.10	QUEEN OF SPAIN, light pink, buff and pink	.30	.10	.05
*GEORGE STARK, crimson-scarlet	.50	.15	.10	QUEEN VICTORIA, pale yellow or primrose	.30	.10	.05
*GLADYS UNWIN, light pink shades, etc.	.50	.15	.10	*QUEEN VICTORIA SPENCER, primrose	2.50	.75	.25
HELEN PIERCE, violet, feathered white	.50	.15	.10	*RAMONA SPENCER, striped and mottled	1.50	.50	.20
*HELEN LEWIS, orange-pink, etc.	1.00	.35	.10	RAMOLO PIOZANNI, mauve and blue	.30	.10	.05
HENRY ECKFORD, orange-pink	.50	.15	.10	*RUBY SPENCER, crimson-scarlet	3.00	1.00	.35
HONORABLE MRS. KENYON, pale yellow or primrose	.30	.10	.05	*SATIN QUEEN SPENCER, deep primrose and satin pink	5.00	1.50	.50
*JANITA SPENCER, striped and mottled	2.50	.75	.25	*SENATOR SPENCER, striped and mottled	5.00	1.50	.50
*JOHN INGMAN, rose-crimson	1.50	.50	.15	*SNOWFLAKE, pure white	2.50	.75	.25
JEANNIE GORDON, rose or pink and white	.50	.15	.10	STELLA MORSE, light pink and primrose	.30	.10	.05
KATHARINE TRACY, light pink and clear pink	.30	.10	.05	SHAZADA, maroon	.30	.10	.05
*KING EDWARD SPENCER, crimson-scarlet	2.50	.75	.25	*SAINT GEORGE, crimson-scarlet	1.50	.50	.20
KING EDWARD VII, crimson-scarlet	.75	.25	.10	*SUTTON'S QUEEN, light pink, buff and pink	2.00	.75	.25
LOVELY, light pink shades, etc.	.30	.10	.05	*TENNANT SPENCER, mauve and blue	2.50	.75	.25
*LOVELY SPENCER, light pink, buff and pink	2.50	.75	.25	WHITE WONDER DOUBLE, pure white	.30	.10	.05
				*WHITE SPENCER, pure white	1.50	.50	.20
				*W. T. HUTCHINS, light pink, buff and pink	2.50	1.00	

Those marked with a (*) are Countess Spencer or Unwin type

All Our Sweet Peas are re-selected, not ordinary stock. Remember you may deduct 5 per cent if cash accompanies the order.

BODDINGTON'S QUALITY MIXTURE OF SWEET PEAS

Containing all the leading and most distinct varieties of Sweet Peas in commerce. This mixture is made by our selves and great care is taken not to have a preponderance of any color or variety. It is truly, and indeed a mixture. ¼ lb., 10c.; ½ lb., 15c.; 1 lb., 25c.; 5 lbs., \$1.00; 100 lbs., \$18.00.

COUNTRESS OF SPENCER HYBRIDS In splendid mixture. Customers who are at a loss what varieties to buy will find this mixture a most satisfactory way to have the "E pluribus unum" of this lovely flower. Oz., 10c.; ¼ lb., 15c.; ½ lb., 25c.; 1 lb., 50c.; 5 lbs., \$1.00; 10 lbs., \$2.00.

See our Florists' Catalogue for Quality Seeds, Bulbs and Plants, mailed free. For Cannas see our adv., page 285 March 4 issue of Horticulture.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St. New York City

CHICAGO NOTES. Trade Items.

What has been long known as the Flower Growers' Market will be divided when the old lease expires May 1.

Few novelties are seen in honor of St. Patrick. The green carnations, roses and tulips no longer cause surprise and now that they have become common there are fewer of them seen on the counters.

The last touches are being put on Harry Rowe's store and it is one of the most tasteful and complete retail stores in Chicago. Two immense Austrian jardiniers of exquisite coloring are added to the window equipment.

A Lang is showing novelties suitable for St. Patrick's Day. Among them are the green shamrock pots, fashioned with three compartments, shamrock shape and holding three plants, and they take well. The new green hat pot-covers in different sizes were also seen here.

A new company, to be known as the Chicago Flower Association, is the latest enterprise struggling into existence. It will consist of a large number of stockholders. The object is a commission house to sell their own stock. Some of the largest growers in this vicinity are interested and the project, if it materializes, may cut heavily into the business of some of the older houses.

The Foley Manufacturing Co., 25th street and Western avenue, are making arrangements that, when completed, will greatly facilitate the office work. Their new general catalogue will soon be out and will include their new steel gutters with wood sill which they have used extensively this year and which can be seen at Calvary cemetery and at Geo. Weiland's new range at Evanston, Ill. Mr. Foley expects to be with the Chicago party at Boston next week.

John Sinner, for several years their manager, has, with the J. A. Budlong Co., rented the second floor of the building two doors north of E. C. Amling's on Randolph street and will take with him several of the present stockholders. The others will occupy the southeast end of their present quarters. The J. A. Budlong business has grown to such proportions that more space was a necessity and their old quarters in the Atlas block will be gladly left for the larger ones May 1.

The Chicago Artificial Flower Co., whose office is at 4813-15 North 40th avenue, has lately added a second factory to their plant. They specialize in paper flowers for decorative purposes and a feature is the furnishing of flowers to florists for automobile decorations and other uses where fresh material cannot be conveniently used, and accompanying blue prints to show how best to use them.

This company was organized 15 years ago. The present owner and manager, F. Spikings, purchased the business six years ago and has replaced the old equipment with new and modern machinery. He would be pleased to send samples as per advertisement on another page.

Personal.

Allie Zeck has been quite ill for a week but is out again. Mrs. Frank Ben has also been sick.



The Toledo Jardinere and Stand

is a work of art. They are made from quartered white oak, golden finish and polished. Hoops, handles, etc., are made of polished brass. They stand 31½ inches high, 9½ inches in diameter.

Toledo Tree Tubs

are made of the everlasting red cedar. They have the extension stave foot, that holds the tub up from floor or carpet, this feature permits air circulation between the tub and the floor,

also prevents rot and decaying. They have electric welded galvanized basic steel wire hoops that will not rust or break. They are made in all sizes from two quarts to two barrels.

Write us for catalogue and prices

Sold by FOTTLER, FISKE, RAWSON CO.
BOSTON, - MASS.

Manufactured by
AMERICAN WOODENWARE M'F'G. CO.
TOLEDO, OHIO



MISSION TUBS, WINDOW BOXES

Columns and Pergolas, Lattice Work
for Formal Gardens.

ARCHITECTURAL AND DECORATIVE WOOD WORK,
FLORISTS' ICE BOXES, Etc.

FORSTER MANSFIELD M'F'G. CO.

ANDRE BEAUPLAN, Proprietor

Tel. 4254
Madison Sq.

Office and Factory, 145 West 28th St., NEW YORK.

ARTIFICIAL FLOWERS OF PAPER

Beautiful and inexpensive decorations for Churches, Weddings, etc.,
furnished to florists. Send 50c for full line of samples,
with wholesale prices attached.

Ask for our handsome new catalogue

The Chicago Artificial Flower Co., 4813-15 North 40th Ave. Chicago, Ill.

J. C. Bruchner, known as the Normal Florist, W. 69th St., is opening a new store at 31st and Cottage Grove Ave.

Mr. and Mrs. E. B. Washburn arrived home from California on the 11th and Mr. Washburn seems to have been benefited by the winter in the west.

Visitors: C. J. Houck, manager of greenhouse department, Lakewood

Cemetery Association, Minneapolis, Minn.; Dr. Everett, Madison, Wis.

Cincinnati—The Anglo-Importation Co. will open a stand in the Sinton Hotel building on Friday, March 17, handling wines, fruits and flowers. Mrs. Thaden, who recently opened a store on Main street, has discontinued same and will manage the cut-flower end of the business.

Dreer's Seasonable Bulbs

The Begonias and Gloxinias we handle are produced for us by a specialist of many years' experience. You can buy cheaper, but not better stock.

TUBEROUS BEGONIAS

Single in Separate Colors. Scarlet, Crimson, Rose, White, Yellow and Orange, 40c. per doz.; \$2.50 per 100; \$22.50 per 1000.
 Single in Choicest Mixture. 35c. per doz.; \$2.25 per 100; \$20.00 per 1000.
 Doubles in Separate Colors. Scarlet, Rose, White and Yellow, 80c. per doz.; \$4.50 per 100; \$40.00 per 1000.
 Doubles in Choicest Mixture, 50c. per doz.; \$4.00 per 100; \$35.00 per 1000.
 Frilled in Separate Colors. Scarlet, White, Pink and Yellow. These have wavy and frilled petals like some of the newer Petunias, \$1.00 per doz.; \$7.00 per 100; \$60.00 per 1000.
 Duke Zeppelin. Rich scarlet, 85c. per doz.; \$6.00 per 100.
 Frau Helene Harms. New yellow, \$2.00 per doz.
 Lafayette. Crimson-scarlet, \$1.50 per doz.; \$10.00 per 100.

GLOXINIAS

Choicest Mixture, or in Separate Colors, as Blue, Red, White, Red with white edge, and Blue with white edge, 60c. per doz.; \$3.50 per 100; \$30.00 per 1000.

FANCY LEAVED CALADIUMS

We have the largest stock in the world. Over 400 varieties, including not only all the good standard sorts but many new varieties never offered in quantity before. This is one of the most valuable plants for decoration of the florists' store window during the summer months and during recent years we have sold many thousands for this purpose. We especially recommend the choice rare and new varieties at \$15.00 per 100 for this purpose.

We offer special selections according to variety as follows:

Choice Standard Varieties. The finest collection ever offered at the price, \$1.75 per doz.; \$12.00 per 100; \$100.00 per 1000.
 Choice Rare and New Varieties. A splendid assortment, especially valuable for the retail florist, \$2.25 per doz.; \$15.00 per 100; \$140.00 per 1000.
 Rare New Varieties. The most recent introductions, \$3.50 per doz.; \$25.00 per 100.

Gladiolus, Tuberoses, Ismene, Montbretias, Tigridias and other Summer Flowering Bulbs are offered in our QUARTERLY WHOLESALE LIST, and also a full list of Seasonable Plants, Seeds, etc. Write for it if you have not already received a copy.

THE ABOVE PRICES FOR THE TRADE ONLY.

HENRY A. DREER, Inc., 714 Chestnut Street, Philadelphia, Pa.

IMPORTANT ROSES

We are offering to commercial rose growers, who are alive to the possibilities of increasing their profits, stock of the best there is in the new varieties. These roses represent the nearest to the ideal that exists in roses today and the quality of stock sent out by us is above question.

DARK PINK KILLARNEY. With a Killarney habit and a color that can be equalled only by the lobe of a Cattleya, it sells on sight.

DOUBLE PINK KILLARNEY. Stronger in growth than the parent and with a large, perfect flower, it stands alone in its class as the representative of the highest type of forcing roses.

PRINCE DE BULGARIE. As a twelve months rose this variety is good, while for a spring, summer and fall bloomer it has

no equal in its color. And in its color, there is the character that is called life. It is hard to describe the color. "Rosy flesh" is near, but it does not describe the impression the color makes. For a money-getter the rose has been a wonder.

LADY CROMWELL, MELODY, MRS. AARON WARD, RADIANCE and the older varieties are described in our catalogue.

If you are progressive, write us for your young stock and get the best that can be produced.

A. N. PIERSON, Inc., - Cromwell, Conn.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

INCORPORATED.

Pontiac, Mich.—Pontiac Nursery Co., capital stock \$15,000.

Greenville, S. C.—The Greenville Nursery Co., capital stock \$10,000. Incorporators: D. W. Ebaugh, C. O. Allen, J. H. O'Neil and others.

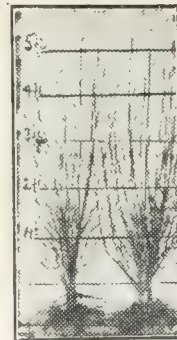
Chicago, Ill.—The Chicago Flower Growers' Association, to deal in flowers and florists' supplies, capital stock \$10,000. Incorporators John F. Kid-

well, E. C. Blameuser, George C. Weil and.

El Paso, Ill.—El Paso Carnation Co., capital stock \$13,000, to conduct a general florist business. Incorporators, R. E. Gordon, L. K. Evans, Charles L. W. Snyder.

Helena, Mont.—Yellowstone Floral Co., capital stock \$25,000. Incorporators, Charles L. Frederichs, E. M. Brandegee, Henry Van Catz, John Van Catz and W. K. Armstrong.

Instantaneous Hedge



We have a surplus of fine, big, bushy plants of California Privet, twenty to twenty-five branches—suitable for giving immediate effect in planting, and offer same to trade away below regular value, as we are crowded for room. For prompt order and unsold \$60.00 per 1000.

EMIL WOHLERT, NARBERTH, PA.

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if you would embellish your grounds this year and for years to come. Our new 84 page FREE catalog

lists a thousand best varieties of strong vigorous plants which give quick and gratifying results.



Our "forty best Hardy Chrysanthemums" selected after many years' tests for hardiness and beauty of blooms, \$3.50 per set of one each; either potted or field grown. Full descriptive list in catalog. Send for catalog today.

J. T. LOVETT
Box 153, Little Silver, N. J.

HIGH GRADE EASTER PLANTS

¶ Visitors to the *National Flower Show* are cordially invited to visit our greenhouses, also our exhibit at Mechanics Hall, Boston, and inspect our superb stock of *Lilies*, *Azaleas*, *Acacias* and other *Spring Plants* and *Easter Novelties*.

W. W. EDGAR CO., Waverly, Mass.

FINE FERNS

Ready For Immediate Retail Sale

We have an exceptionally fine and large stock of ferns in the following varieties,—first-class plants of exceedingly good value—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type—never showing a Boston frond; has not reverted in the last four years. Fine plants, 6-in., \$6.00 per dozen; 8-in., \$12.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima compacta that Scottii does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes. Fine plants, 6-in., \$6.00 per dozen.

NEPHROLEPIS SCHOLZELI. Fine plants, 3½-in. pots, \$2.50 per dozen; 6-in. pans, \$6.00 per dozen; 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS BOSTONIENSIS. Extra strong plants, 8-in. pans, \$12.00 per dozen.

NEPHROLEPIS SCOTTII. 8-in. pans, \$12.00 per dozen.

SMALL FERNS FOR FERN PANS. Best and hardest varieties assorted: *Pteris Mayii*, *Wimsettii*, *Adiantoides*, *Aspidium Tsussimense*, *Cryptomium falcatum*, etc. Strong plants, 2¼-in. pots, \$3.50 per 100.

CROTONS. Nice assortment, well colored, 5-inch, \$9.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CINERARIA HYBRIDA

Remember this is the
BEST PAYER FOR EASTER.

We offer our superior strain in 4 in. pots (medium height), latest improvement in size and color, \$10.00 per 100. Now is the proper time to plant them into 5½ and 6 in. pots for Easter blooming.

GODFREY ASCHMANN

Importer, Wholesale Grower and Shipper of Pot Plants,

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PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries, Roslindale, — Boston, Mass.
Price list on application.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.
Nursery stock from France, Holland, England and Japan.

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Assorted varieties.
2 in. pots, \$3.50 100; \$30.00 1000
Cash with order

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Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

BOSTON FERNS, 2½ inch \$30.00 per 100.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 100; 250 at 1000 rates
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

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All Varieties, All Sizes.
Send for Price List

Joseph Heacock

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New stock, long and clean, in 5 and 10 bbl bales burlapped.

ROTTED and FIBROUS PEAT

Gathered from a rich deposit of rotted undergrowth. No better grade in the market. Packed in sacks containing 2½ bu.

Write for prices on large or small quantities.

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Mamaroneck, New York.

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PLANTS and FLOWERS always on hand
ORDONEZ BROS.
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Largest Importers, Exporters, Growers and Hybridists in the World

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NEW YORK CITY

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Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

Write for special list and catalogue.

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Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

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COLEUS

VERSCHAFFELTII, FIREBRAND, GOLDEN QUEEN, LORD PALMERSTON, QUEEN VICTORIA, BECKWITH'S GEM. Rooted Cuttings, by express, 75 cts. per 100; \$7.00 per 1000.

Out of 2¼-inch pots, in May, \$2.50 per 100; \$20.00 per 1000.

GOLDEN BEDDER, HERO, MESSEY, BRILLIANCY. Rooted Cuttings, by express, \$1.00 per 100; \$8.00 per 1000. Out of 2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

A very fine assortment of twelve varieties not listed above. Rooted Cuttings, \$1.00 per 100; \$8.00 per 1000. Out of 2¼-inch pots, \$2.50 per 100; \$20.00 per 1000.

Fancy Varieties, either rooted cuttings, or plants from 2¼-inch pots, our selection, 250 at the 1000 rate.

SALVIA

SPLENDENS, BONFIRE, ZURICH, SCHENLEY, rooted cuttings, 75 cts. per 100; \$7.00 per 1000. From 2¼-inch pots; April and later delivery, \$2.50 per 100; \$20.00 per 1000. 250 of a variety, or in assortment as ordered, at the 1000 rate.

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In Palms, Pandanus, Azaleas, Ferns, Orchids, Camellias, Lorraines and the endless variety of **Flowering or Foliage Plants** for Commercial Use or Conservatory Decoration. Quality is our **First Consideration**. And you can get it every day in the year.

Send for Catalogue

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RUTHERFORD, N. J.

W. and K. THE SIGN OF QUALITY

It is indeed a pleasure to this office to know that the many readers of the Horticulture are not only endorsing but heartily supporting the new enterprise of dealing direct with the best firm and growers of Dutch Bulbs through this United States Branch House.

Fall in line gentle reader. If you have not received our catalogue write for same at once and let us supply you with your Spring and Fall delivery of Bulbs and roots.

If our varieties were stated in this paper they would at least cover half the edition. Our supply is unlimited but would advise that you mail your order in as soon as possible. Thank you.

Write today for catalogues, they will interest you. Hyacinths, Tulips, Daffodils, Iris, Gladiolus, Lily of the Valley, Spiraea, Dahlias, etc., etc.

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491 Bourse Bld. PHILADELPHIA, PA.

MR. LOUIS BERGER, MGR.

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Sassenheim, Holland

Branch Houses
United States, Germany, South America

Box Trees

and other **EVERGREENS** for Tubs and Boxes
Our Prices are Always Right—Catalog Free
THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

Franklin, Mass.—The Slade Nursery on Central street has been purchased by Mathew J. Van Leeuwen, proprietor of the Continental Nurseries. Mr. Van Leeuwen expects to make extensive improvements and to use the place as an annex to the Continental Nurseries.

To make money you have to spend. To grow a crop of Easter lilies you have to plant bulbs. Here's where you plunge. It's a bet on the bulbs against the eternal cussedness of things. It's you against the chances of a crop.

AND YOU HAVE
NO CHANCE AT ALL
UNLESS YOU
HAVE
GOOD BULBS

Then you must treat them properly; and taboo the green-fly, or they will be a fizzle. So the positive requirements are, first good bulbs and then good treatment. Good bulbs you can get from us—the Horseshoe Brand. With them you will make more money per square foot of space than with any brand known, under the same conditions.

Write 'Us



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

Order Cold Storage Bulbs NOW.

Seed Trade

Dodder in Chilean Red-Clover Seed.

We are apprised by the U. S. Dept. of Agriculture, Division of Publications that since July 1, 1910, twenty-three lots of clover seed of probable Chilean origin aggregating 370,000 pounds have been imported into the United States. In all of these shipments two kinds of dodder seed characteristic of Chilean red-clover seed are present. At a normal rate of seeding, these shipments are sufficient to seed approximately 46,000 acres, and at this rate of seeding an average of approximately 450 dodder seeds would be sown on each square rod. The sowing of this Chilean seed this spring means that the clover crop on a considerable proportion of the area on which it is seeded will be destroyed by dodder, and farmers should be on their guard against purchasing this seed. Unfortunately most of the importations have gone into the southern part of the clover-producing region where this dodder will undoubtedly prove disastrous. This Chilean clover seed is itself especially fine looking seed, being dark colored and approximately fifty per cent larger in size than ordinary red-clover seed produced in the United States. It will, therefore, doubtless receive a ready sale on account of its fine appearance.

A Peculiar Possibility.

A peculiar situation will exist with the passage of the proposed reciprocity treaty with Canada. The treaty permits the free passage of American seeds across the Canadian border, while the Canadian postal laws practically exclude American seed catalogues.

According to Charles N. Page of Des Moines, seed dealers in the United States will seek a revision of the Canadian postal laws in the event the proposed reciprocity treaty becomes a law.

In order to get their catalogues into Canada at the present time, American seedsmen are compelled to pay a duty of fifteen cents a pound.

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York

BEGONIAS

Begonia Glorie de Lorraine, Begonia Lonsdale, \$15.00 per 100, \$140.00 per 1000.

Begonia Glory of Cincinnati, \$25.00 per 100, \$200.00 per 1000, 250 at 1000 rate. Strong 2½ in. pot plants, twice transplanted. No better stock obtainable. Place your order early to insure May and June deliveries.

Absolute satisfaction guaranteed. Catalog for the asking.

SKIDELSKY & IRWIN CO.

1215 BETZ BUILDING, PHILADELPHIA, PA.

AT THE NATIONAL FLOWER SHOW

All visitors to the National Flower Show at Boston are made welcome at our Headquarters which is located on the Balcony leading to the Convention Halls.

Come and Meet Our Representatives.

HENRY F. MICHELL CO.

Seedsmen

518 Market St.,

PHILADELPHIA, PA.

"Every once in awhile I get a letter from the Canadian postal department," said Mr. Page, "in which I am informed that a quantity of my catalogues are being held there and that they will be destroyed unless I send the money to pay for their admission into the country.

"The duty amounts to about 8 cents on each catalogue, which is too much for us to pay. There are 1000 American farmers in Canada who want to use American seeds and these are denied them because of the stringent postal and revenue laws governing the admission of catalogues into Canada."

About Tulip Bulb Prices.

At the meeting of the Detroit Florist Club on the evening of March 6 Mr. A. Colyn, representing Colyn Sons, of Voorhout, Holland, made some interesting remarks about peculiarities of his home country, dwelling at length on the fact that most of his fatherland lies 30 feet below the sea-level. He gave an interesting explanation in regard to the low price of tulip bulbs. It appears that several years ago Germany put a duty on vegetables and many Holland farmers became afraid for their bread and butter. Tulips which can be grown most everywhere in Holland, were planted by these farmers in their heavily fertilized ground and they produced almost three times the yield per acre compared with other growers, and herewith the consequent over-supply and low prices.

Notes.

Council Bluffs, Iowa.—Fire caused an approximate loss of \$15,000 to the Perry Seed Co. on Feb. 25.

Harrisville, Mich.—The name of the Sheap-Johnson Seed Co. has been changed to F. C. Johnson & Co. Capitalized at \$15,000.

Baltimore, Md.—A seed business will be conducted by C. M. Robinson at 614 East Lombard street, where he has leased an entire floor.

Chicago, Ill.—John Prendergast and Miss Stella Corwin of Janesville, Wis., were married Feb. 25. Mr. Prendergast is with the Leonard Seed Co.

Port O'Connor, Texas.—A tract of land near here has been purchased by L. E. Higgins, bean grower of Lompoc, Cal., who will use it for seed growing.

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.

Boston, Mass.

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food, Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.

BALTIMORE, - MD.

ONION SEED—ONION SETS

We are extensive growers and dealers. Write for prices on the 1910 crop. We are also submitting contract figures for the 1911 crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE OHIO

All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
Marigolds, Gourds.

VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
Onions, Peas, Radish, Squash.

Lawn Grass and Clover Seeds, Best
Grades of Farm Seeds.

Dahlias, Tuberoses, Gladioli, Tuberous Begonias
Lycoris, Cannas, Coleus, Geraniums.

Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

JAMES VICK'S SONS

SEEDSMEN

ROCHESTER, N. Y.



BEGONIAS GLOXINIAS

in separate colors

Asters in all varieties and
in separate colors

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Faneuil Hall Sq., also 26 So. Market St. - BOSTON



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MERCHANTS

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Largest Growers of Peas Beans and Garden
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Established 1820

Thorburn's Seeds

For Florists and Market Gardeners.
All highest grade.

Catalogue mailed on application.

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NEW YORK

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed,
per ounce 50c.; Verbena Mammoth
in colors or mixed, per ounce 60c.;
Salvia Splendens, per ounce \$1.25;
Bonfire, per ounce \$2.00; Cobaea
Scandens, Stocks, Lobelia, etc. Write
for wholesale catalogue.

WEEBER & DON

Seed Merchants and Growers, 114 Chambers St., City

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality
at both our Orange, Conn., and New York
City houses. Full line all varieties of Gar-
den and Flower Seeds. Trade List on ap-
plication.

S. D. WOODRUFF & SONS,

Orange, Conn. 82 Dey Street,
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In ordering goods please add "I saw
it in HORTICULTURE."

GERBERA

Jamesoni Magnifica

An Improved Form of the beau-
tiful Scarlet Barberton Daisy,
originating with A. Jaeneke. The
flowers are fine for cutting and
keep for two weeks in water.
1000 seeds, \$2.50 to the trade.

"Superbloom" Valley Pips

Special Forcing Grade, \$12.00 per
1000 in cases of 2000 pips; also
all other flower seeds and bulbs
for florists and gardeners.

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MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of
field corn. Write for wholesale prices.

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Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

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CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars,
etc.

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32 South Market Street, Boston, Mass.

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.

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JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

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WILLIAM J. SMYTH FLORIST

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We ship to all points in Illinois and Iowa.

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Kansas City, Mo.
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All Orders Given Prompt and Careful Attention



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D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y

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ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

New London, Conn.—S. J. Reuter & Son have leased a store on State street at the foot of Main.

Boston, Mass.—W. R. Finlay, formerly with J. W. Rogers, opens a new flower store Saturday, March 18, at 175 Federal street.

Elk, Wash.—H. M. Sanders is planning extensive improvements and enlargement of his greenhouses. His jobbing business has grown to such an extent that it requires all his attention and he has, therefore, sold his retail business in Spokane to the Spokane Florist Co.

Spokane, Wash.—The Spokane Florist Co. has taken over the business of the Sanders Co. at 722 Riverside avenue and is making extensive im-

STEAMER DEPARTURES

Allan.	
Numidian, Boston-Glasgow, Mar. 23	American.
Philadelphia, N. Y.-Shampton, Mar. 25	Anchor.
California, N. Y.-Glasgow, Mar. 18	Atlantic Transport.
Columbia, N. Y.-Glasgow, Mar. 25	Minnewaska, N. Y.-London, Mar. 18
	Minnehaha, N. Y.-London, Mar. 25
	Cunard.
Campania, N. Y.-Liverpool, Mar. 22	French.
La Touraine, N. Y.-Havre, Mar. 23	Hamburg American.
G. Waldersee, N. Y.-Hamburg, Mar. 18	Pennsylvania, N. Y.-Hamburg, Mar. 25
Cincinnati, N. Y.-Mediterranean, Mar. 28	Holland-American.
Ryndam, N. Y.-Rotterdam, Mar. 21	Potsdam, N. Y.-Rotterdam, Mar. 28
	North German Lloyd.
Koenig Albert, N. Y.-Medien, Mar. 18	Koenig Luise, N. Y.-Medien, Mar. 25
	Red Star.
Finland, N. Y.-Antwerp, Mar. 18	Laplund, N. Y.-Antwerp, Mar. 25
	White Star.
Adriatic, N. Y.-Southampton, Mar. 18	Romanic, Boston-Mediterranean, Mar. 18
Baltic, N. Y.-Liverpool, Mar. 25	Philadelphia, N. Y.-Shampton, Mar. 25
Zeeland, Boston-Liverpool, Mar. 28	

provements and combining the two retail stores. C. T. Kipp, proprietor of the Spokane Florist Co., will have charge of the rearranging, decorating, etc.

ST. LOUIS NOTES.

F. H. Weber used 500 long Beauties March 15 for the big decoration at the Vandervorts department store. This is also one of the big jobs of the year.

Ostertag Bros made a fine decoration last week for the Busch golden jubilee wedding in the Coliseum. All yellow flowers were used, the big job took a large force to handle it.

W. C. Smith was married on Thursday, March 9th, to Miss Helen West at the home of the bride's parents in Edwardsville, Ill. The employees of Mr. Smith's firm made a handsome decoration of cut flowers in the section reserved by Mr. Smith on the Clover leaf R. R. for the honeymoon trip. Mrs. H. V. Hunkel of Milwaukee, Mr. Smith's sister, was present at the wedding.

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsplor

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The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

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JACOB SCHULZ,
550 South Fourth Ave.



SUCCESSFUL FLORISTS

all over the country are using McCray Refrigerators. The circulation of air is so strong and steady that there can be no stagnation or dampness, so that your stock will always be fresh and fragrant. Furthermore the saving in ice will more than pay for the cost.

McCray Refrigerators

will lend attractiveness to your shop. Beautifully made and finished, they are lined with white enamel, opal glass, tile, mirrors or marble, as you desire. Write today for our catalog No. 72 which will give you ideas how to add to the attractiveness of your establishment.

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THE Florists' Supply House of America

Anything you need in the line of Florists' Supplies we can furnish. Send to us. Catalogue on request.

H. BAYERSDORFER & CO., 1129 ARCH STREET PHILADELPHIA, PA.

PERSONAL.

John N. May and wife, Summit, N. J., sailed recently for Bermuda.

Mr. Lewis of Pontiac, Mich., is at the Asylum in Detroit for treatment for a nervous trouble.

Prof. C. S. Sargent of the Arnold Arboretum has gone to Mexico, to be absent about two weeks.

Arthur Simpson has accepted a position as landscape gardener at the Presidio, San Francisco, Calif.

C. B. Jones, son of Charlie J. Jones of the Walnut Hill Floral Bazaar, was quietly married to Miss Johnson on Wednesday, March 15th.

Robert Johnston, recently at Cary Farm, Lexington, Mass., will take charge of Mrs. J. Montgomery Sears'

estate at Southboro, Mass., on April 1.

William Edlelson, pioneer florist of Milwaukee, celebrated the fiftieth anniversary of his entering that business on Wednesday evening, March 8, in his home on Atkinson avenue.

William Mackay, lately gardener for E. T. Gerry at Newport, R. I., is now in charge of the Henry A. C. Taylor place which was made vacant by the sudden death, March 5th, of John J. Harrington, who filled that position faithfully for many years.

New York visitor: H. S. Dawson, Eastern Nurseries, Jamaica Plain, Mass.

Cincinnati visitors: E. J. Fancourt, representing Pennock-Meehan Co., Philadelphia; F. Farney, representing M. Rice & Co., Philadelphia; J. H. Broxey, Dayton, Ohio; C. L. Cramer, Oxford, Ohio.

Boston visitors—F. R. Pierson, Tarrytown, N. Y.; W. A. Manda, South Orange, N. J.; I. S. Hendrickson, Flowerfield, N. Y.; D. Cameron, representing Sander & Son's N. Y. office; Ed. Roehrs, Rutherford, N. J.

NEWS NOTES.

Fitchburg, Mass.—The business of C. E. Mansfield has been purchased by C. E. Lesure.

Schenectady, N. Y.—J. H. Fredericks has purchased the business of Howe, the florist, at Jay and Franklin streets.

Randolph, Ill.—The land and greenhouses recently bought by B. S. Green have been rented by Grant Torrey, who will run the business the same as usual.

NEW FLOWER STORES.

Conneaut, Ohio—L. H. Eaton.

Williamsburg, Pa.—A. J. Hill, Arch street.

San Diego, Cal.—Walter Scott, 1335 Fifth street.

Cincinnati, Ohio—The Anglo Importation Co., Sinton Hotel Block.

Chicago, Ill.—J. C. Bruchner, 31st street and Cottage Grove avenue.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.

New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

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Send flower orders for delivery in Boston and all New England promptly

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TRANSFER

Your orders for flower or plant delivery in Eastern New England to

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EASTER LILIES

in pots, 18 to 30 inches high, 3 to 8 flowers to a plant. Will ship second or third week before Easter in bud form. Our price is very attractive. How many can you use? Write us today.

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George B. Hart

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FLORIST

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO Mar. 14	WINN CITIES Mar. 14	PHILA. Mar. 14	BOSTON Mar. 16
Ara. Beauty, Fancy and Special...	40.00 to 50.00	40.00 to 50.00	55.00 to 75.00	50.00 to 75.00
" Extra	30.00 to 40.00	30.00 to 40.00	31.00 to 4.00	30.00 to 40.00
" No. 1	20.00 to 30.00	20.00 to 30.00	20.00 to 30.00	15.00 to 25.00
" Lower grades	5.00 to 15.00	10.00 to 20.00	12.00 to 20.00	6.00 to 8.00
Bride, 'Maid, F. & S.	6.00 to 10.00	6.00 to 10.00	..... to 10.00	6.00 to 8.00
" Lower grades	2.00 to 5.00	4.00 to 6.00	4.00 to 8.00	1.00 to 3.00
Richmond Chateauf, Fancy & Special	8.00 to 12.00	8.00 to 10.00	15.00 to 20.00	6.00 to 10.00
" Lower grades	4.00 to 6.00	4.00 to 8.00	6.00 to 10.00	1.00 to 5.00
Killarney, My Maryland, Fan. & Spl.	8.00 to 12.00	10.00 to 14.00	10.00 to 12.00	6.00 to 8.00
" Low grades	4.00 to 6.00	8.00 to 10.00	3.00 to 6.00	1.00 to 3.00
CARNATIONS, First Quality...	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
" Ordinary	1.00 to 1.50	2.00 to 3.00	..... to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	50.00 to 60.00	60.00 to 75.00	40.00 to 50.00	30.00 to 40.00
Lilies, Longiflorum	12.00 to 15.00	12.50 to 15.00	10.00 to 12.00	6.00 to 8.00
Lily of the valley	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Violets	1.00 to 1.50	.75 to 1.25	.40 to .75	1.00 to 1.50
Mignonette	3.00 to 5.00	4.00 to 7.00	3.00 to 4.00	2.00 to 6.00
Lilac, per bunch .....	..... to 5.00	75 to 1.25	.50 to 1.00	..... to 1.00
Tulips	2.00 to 3.00	2.00 to 3.00	3.00 to 5.00	1.50 to 3.00
Roman Hyacinths, Paper Whites ..	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
Daffodils	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	1.00 to 1.50
Freesia	1.00 to 1.25	..... to 1.00	..... to 1.00	1.00 to 2.00
Daisies	1.00 to 1.25	..... to 1.00	1.00 to 3.00	50 to 1.00
Snapdragon .....	..... to 1.00	..... to 1.00	10.00 to 12.00	3.00 to 5.00
Sweet Peas .....	.75 to 1.00	1.00 to 1.25	.50 to 1.00	50 to .75
Gardenias	40.00 to 50.00	2.00 to 40.00	15.00 to 35.00	20.00 to 35.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00	..... to 50.00
" " & Siren (100)	25.00 to 40.00	25.00 to 35.00	..... to 40.00	..... to 35.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

Flower Market Reports

BOSTON This market has been in a very bad way for the past week, but at present writing a return of wintry weather gives some promise of an improved condition, due to decreased receipts. Prices, while not quoted much lower than of late, are greatly reduced in the aggregate and there has been quite a loss on unsold stock of various sorts, particularly violets, carnations and bulb flowers. Roses are plentiful, but Beauties are an exception, as they have been for several weeks. Buyers are few and reluctant in all lines. Among the things which have just begun to come in are English primroses.

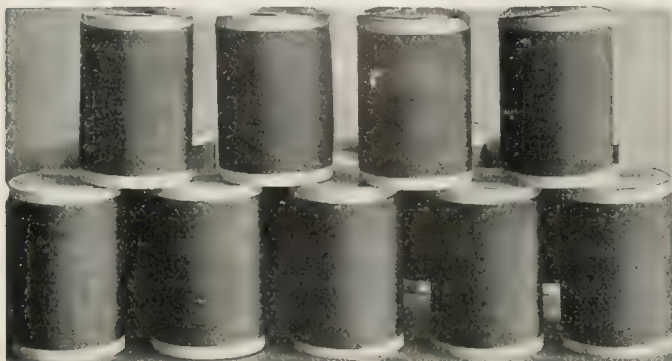
BUFFALO Lenten dullness has fallen heavily on us and the past week convinces us that too much bright weather and sunshine is not always the best for at least the wholesalers. Stock of all kinds came in quantity especially carnations and bulbous material, and at the end of the week the market was well loaded with everything and the buyers having practically their own way. Roses came in more plentifully and more of the select stock was had than the shorter grades, the latter moving to better advantage. Beauties, violets, lily of the valley were in heavy supply and price within reach of everybody. Trade was not at a standstill but prices were low for the week. Bargain signs were much in evidence. The coolers are again filled and wholesalers uneasy.

CHICAGO The market has been very erratic the past week—some days well-cleaned up and on others an accumulation. Warm weather and sunshine have caused an oversupply along some lines especially bulbous stock and violets. The latter are moving very slowly and on some days not at all. Double violets have to give way to singles wherever there is a chance to move either. Sweet peas, if first class, sell well. There is an abundance of lilies. Carnations are plentiful enough to make the buyer discriminate and the poor stock has little chance of moving with profit to the grower. The only flowers really in short supply are the Beauties. Growers complain of the poor quality of the flowers as well as the scarcity and one of our largest growers expresses himself as of the opinion that too many experiments are tried on the plants by those in charge, particularly when the buds are forming. Other roses are in good supply and prices cover about the same range as before.

CINCINNATI Business for the second week in Lent is all that could be desired. White flowers are in exceptionally heavy demand. The supply of Beauties is very limited with not half enough to fill orders. Three or four days of cloudy weather in the forepart of the past week had a tendency to reduce the cut of other roses. The feature of the market the past week was the exceptionally heavy demand for white carnations. While the supply was liberal, the demand so far exceeded same as to cause quite a shortage. Enchantress also enjoyed a good call and cleaned up nicely while rose-pink, red and Lawson shades move

A RICH NEW RIBBON

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A new ribbon which we are starting this season. It has the widest range of colors of any ribbon we have ever handled. Eighteen shades comprising some of the most beautiful and effective imaginable. Peculiarly adapted for rich effects and especially suitable for the Easter trade. We offer in the following colors:

Bronze, 3 shades	Pink
Yellow	Light Orchid
Nile	Dark Orchid
Apple Green	Heliotrope
Dark Green	Violet
Green Shot Purple	Violet Shot Green
Light Blue	White
Cypripedium	American Beauty

Our regular price for this splendid novelty is \$3.15. For a special introductory we offer same at \$3.00 for the balance of the month.

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WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Mar. 14	DETROIT Mar. 14	BUFFALO Mar. 14	PITTSBURG Mar. 14
Am. Beauty, Fan. and Sp.	25.00 to 30.00	35.00 to 50.00	35.00 to 45.00	40.00 to 50.00
Extra	10.00 to 15.00	22.00 to 30.00	15.00 to 25.00	20.00 to 30.00
No. 1	6.00 to 8.00	15.00 to 20.00	10.00 to 12.00	10.00 to 15.00
Lower grades .....	..... to	5.00 to 12.00	3.00 to 5.00	5.00 to 8.00
Bride, Maid, F. & S.	8.00 to 10.00	8.00 to 10.00	7.00 to 10.00	6.00 to 8.00
Low. gr.	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	3.00 to 4.00
Richmond, Chateauf, Fancy & Special	6.00 to 8.00	8.00 to 10.00	10.00 to 12.00	8.00 to 12.00
Lower Grades ..	4.00 to	4.00 to 6.00	6.00 to 8.00	6.00 to
Killarney, My Maryland, Fan. & Spl.	6.00 to 8.00	8.00 to 10.00	10.00 to 12.00	8.00 to 12.00
Low Grades ..	4.00 to 6.00	4.00 to 6.00	5.00 to 6.00	4.00 to 6.00
CARNATIONS, First Quality	3.00 to	3.00 to	2.00 to 3.00	3.00 to 5.00
Ordinary	2.00 to	2.00 to	1.50 to 2.00	2.00 to
MISCELLANEOUS				
Cattleyas .....	..... to .....	..... to	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum	8.00 to 10.00	15.00 to	10.00 to 12.00	8.00 to 10.00
Lily of the Valley	3.00 to	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets	25 to .35	80 to 1.00	.40 to .50	.50 to .75
Mignonette .....	..... to	3 to 7.00	2.00 to 4.00	..... to 6.00
Lilac, per bunch .....	.50 to .....	..... to .....	..... to .....	..... to 1.50
Tulips	2.00 to 4.00	4.00 to	2.00 to 3.00	2.00 to 4.00
Roman Hyacinths, Paper Whites ..	2.00 to 3.00	3.00 to	2.00 to 3.00	3.00 to
Daffodils	2.00 to 3.00	3.00 to	2.00 to 3.00	5.00 to 6.00
Freesia .....	..... to .....	..... to .....	..... to .....	..... to
Daisies	25 to 35	.50 to 1.50	1.50 to 2.00	1.00 to 3.00
Snapdragon	6.00 to 10.00	5.00 to 6.00	5.00 to 7.00	6.00 to 8.00
Sweet Peas	50 to .75	.50 to 1.50	.40 to 1.00	.50 to 1.00
Gardenias .....	..... to .....	..... to	15.00 to 25.00	..... to 30.00
Adiantum	1.00 to	1.00 to 1.50	50 to 1.50	..... to 1.50
Smilax	12.00 to 15.00	15.00 to	15.00 to .....	..... to 15.00
Asparagus Plumosus, strings (100)	50.00 to	30.00 to 40.00	40.00 to 60.00	30.00 to 50.00
" " & Spreng. (100 bchs.)	20.00 to 35.00	4.00 to 40.00	35.00 to 50.00	30.00 to 50.00

(Continued on page 375)

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Successor to
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121 West 28th Street NEW YORK
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A Full Line of All CUT FLOWERS.
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A full line of Choice Cut Flower Stock for all purposes.
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CARNENIAS, DAISIES, ROSES AND CARNATIONS
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Telephone 759

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Mar. 11 1911	First Half of Week beginning Mar. 13 1911
American Beauty, Fancy and Special.....	40.00 to 60.00	35.00 to 50.00
" " Extra.....	30.00 to 30.00	20.00 to 30.00
" " No. 1.....	10.00 to 25.00	8.00 to 15.00
" " Lower Grades.....	2.00 to 8.00	2.00 to 5.00
Bride, 'Maid, Extra and Special.....	5.00 to 8.00	5.00 to 8.00
" " Lower Grades.....	2.00 to 3.00	2.00 to 3.00
Richmond, Chatenay, Extra and Special.....	1.00 to 2.00	8.00 to 15.00
" " Lower Grades.....	2.00 to 6.00	2.00 to 5.00
Killarney, My Maryland, Extra and Special.....	4.00 to 8.00	4.00 to 6.00
" " Lower Grades.....	2.00 to 3.00	..... to 2.00
Carnations, First Quality.....	1.50 to 3.00	1.50 to 3.00
" " Ordinary.....	.75 to 1.00	.75 to 1.00

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WHOLESALE FLORISTS
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Prompt Payments. Telephone 3559 Madison Sq.

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Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
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Fresh Cut Evergreens, Mosses,
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Flower Market Reports

(Continued from page 373)

more slowly. Daffodils are slow sellers and accumulate, but Dutch hyacinths sell out clean every day as do Murrillo and La Reine tulips, also Paper Whites. Red tulips are in good supply and move less freely. Lily of the valley, as usual when the supply lets up, has increased demand. Double violets continue more than sufficient, but good singles clean up every day. The lily supply is bountiful. Callas meet with an excellent demand.

A week of general activity has brought contentment to retailers and wholesalers. There is nothing heard of any special doing and at the beginning of the week all kinds of stock did accumulate to a serious stage. Towards the end of the week, though, buying was much more liberal and everything was cleared off nicely. Prices ruled about the same as last week, with a trifle lower at some instances. This, however, is a much more satisfactory condition when compared with one year ago when large quantities of fine stock went to the dump pile. Lilies are very scarce at present with no immediate relief in sight. They will be plentiful at Easter, but the average rather short of stem.

This market has been undergoing a readjustment of values for the past ten days. Prices persist in getting down to a lower level. This is more apparent where roses and carnations are concerned as the supply is gradually increasing. The shortage in supply of Beauties is at an end. White and pink Killarneys, Bridesmaids, Brides and Marylands are in ample supply, Maryland being the poorest seller of all. Richmonds, too, are coming on. The cut of carnations is heavy and they are disposed of with difficulty, no fixed price being possible. Violets are a drug; even the street men find it unprofitable to handle them and the prices finally realized are hardly sufficient to pay the producer for picking and sending them to market. Bulbous stock of all kinds is very plentiful but holds its own better than roses or carnations—at least, daffodils, jonquils and tulips are seasonable. There are more lilies and callas than the demand requires—lily of the valley is also in excess of the demand.

The second week of Lent had a little better tone to it in this market than the first. People are gradually recovering from their first fierce fit of sanctimoniousness.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Mar. 11 1910	First Half of Week beginning Mar. 13 1911
Cattleyas.....	25.00 to 40.00	25.00 to 40.00
Lilies, Longiflorum.....	5.00 to 6.00	5.00 to 6.00
Lily of the valley.....	1.00 to 2.00	1.00 to 2.00
Violets.....	.15 to .30	.15 to .30
Mignonette.....	2.00 to 5.00	2.00 to 5.00
Lilac, per bunch.....	.50 to .75	.50 to .75
Tulips.....	1.00 to 3.00	1.00 to 3.00
Roman Hyacinths, Paper Whites.....	.50 to 2.00	1.00 to 1.50
Daffodils.....	1.10 to 2.00	1.00 to 2.00
Freesia.....	1.00 to 1.50	1.00 to 1.50
Daisies.....	.50 to 1.00	.50 to 1.00
Snapdragon.....	3.00 to 6.00	3.00 to 6.00
Sweet Peas (per 100 bunches).....	3.00 to 8.00	3.00 to 8.00
Gardenias.....	15.00 to 35.00	15.00 to 35.00
Adiantum.....	1.00 to 1.25	.75 to 1.25
Smilax.....	6.00 to 10.00	6.00 to 10.00
Asparagus Plumosus, strings.....	..... to 50.00	20.00 to 30.00
" " & Sprea (100 bchs).....	15.00 to 25.00	15.00 to 25.00

But for all that, things were nothing to brag about and prices generally remained at the previous low level. The weather being good the Friday and Saturday finish was up to best expectations. The same old story is still the go on American Beauty—very scarce. Some growers say they see no chance of any improvement for several weeks yet. Richmond also is scarce in spots, and does not seem to be overplentiful anywhere. White roses are good stock and in excellent demand. Kaiserin—new crop—just commencing to arrive—very good for the season. Carnations are more plentiful and prices rule a shade lower. There will probably be a run on white carnations this week—these being largely used for St. Patrick's. Orchids are coming in more freely and prices have moderated. Violet figures are low and the influx of fine stock remains unabated. On the fashionable promenades the sweet pea seems to have the call over the violet this year for corsage bouquets. Sweet peas are of excellent quality just now and abundant. The whites are rather too abundant and do not go as readily as the colors. Lily of the valley is a little sluggish. White lilac is pretty good yet, but will probably not last much longer as there is a noticeable slackening up in supplies. Indoor daffodils are also in smaller volume but the southern stock is filling the gap and all demands can be satisfactorily filled.

During the past week the market here was all that could be expected.

It was well stocked and in some cases over-stocked. The trade were greatly interested in roses of the first grade. These have become scarce again, but there are quite a lot of second and third grade stocks to be had. American Beauties, long and fancy, are having some call, but are hard to get. Carnations are in plenty and almost a

glut; \$10 per 1000 buys good stock. Violets and sweet peas are a glut and are selling cheap, and a great many of these had to be dumped owing to quantity. Lilies and callas are also coming in heavy and are sold for \$10 per 100 flowers.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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AGERATUMS

Ageratum Stella Gurney, 2 1/4 \$1.75, 3 1/2 \$5.00; very bushy rooted cuttings 50c per 100. C. H. Jacobs, Westfield, Mass.

Ageratum, 3 inch. \$4.00 per 100; \$35.00 per 1000. Rooted cuttings, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2 1/2 inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2 1/2 to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

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National Flower Show, Boston, Mass.
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AQUATICS

Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Asparagus Plumosus Nanus.
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ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.

PETER MACK, ORLANDO, FLA.

Asparagus Sprengeri, strong, thrifty, 2 1/2 and 3-in., 3c and 4c. Cash.
John F. Flood, Montvale, Mass.

Asparagus plumosus, from bench, strong, healthy plants, for 3 1/2 in. pots, \$5.00 per 100; 2 1/2 in. pots, \$3.00. Sprengeri, from bench, for 3 1/2 in. pots, \$3.00 per 100. Cash.
W. B. Bowen, Florist, Whitman, Mass.

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Elmer D. Smith & Co., Adrian, Mich.
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James Vick's Sons, Rochester, N. Y.
High Grade Asters.

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ASTER SEED, SEMPLES BRANCHING.
Mr. Phillips, Florist, Syracuse, N. Y., advises us that the aster seed purchased from us produced blooms that carried away the first prize at the last N. Y. State Fair. In the growing and the selection of this seed we exercised the most painstaking care, positively allowing only two or three ideal blooms per plant, to mature seeds. We have a small amount of this same seed in stock and will sell it only in mixture of about 1000 seeds, comprising pure white, lavender, pink and purple—about one third the mixture being pure white. Price, per packet of 1000 seeds, 35 cts.; 4 packets for \$1.00. Russell Bros., Syracuse, N. Y., Route 4.

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McNiff Horticultural Co., New York, N. Y.

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P. Ouwerkerk, Hoboken, N. J.
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BAY TREES.

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Boblink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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BEDDING PLANTS

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Begonia Lorraine, 2 1/2 in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Box Trees all sizes. Ask for special list.
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Seasonable Bulbs.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.

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Begonias, Gloxinias.

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CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

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Wood Bros., Fishkill, N. Y.
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CANNAS—Best sorts, big stock. Send for list. C. Betscher, Canal Dover, O.

CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.

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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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Carnation White House.

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F. Dörner & Sons Co., Lafayette, Ind.
Two New Carnations.

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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.

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Wood Bros., Fishkill, N. Y.

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S. J. Reuter & Son, Inc., Westerly, R. I.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

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Carnation James Whitecomb Riley (Lawson seedling), the best yellow, \$6.00 per 100. Bertermann Bros. Co., Indianapolis, Ind.

Rooted carnation cuttings. Victory, Enchantress and Pink Imperial, \$2.50 per 100; \$20.00 per 1000. Cash. David A. Dean, Baldwin, L. I., N. Y.

New and standard carnation rooted cuttings. Send for price list Wm. Swayne, Kennett Square, Pa.

Carnation White Perfection, rooted cuttings, \$1.50 per 100; strong 2 1/2 inch, \$2.50 per 100; Enchantress rooted cuttings, \$1.50 per 100. Wagoner Floral Co., Columbia City, Ind.

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CHRYSANTHEMUMS

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S. J. Reuter & Son, Inc., Westerly, R. I.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

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Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

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Clematis paniculata, strong 3-year, \$1.00 per 10, \$7.50 per 100, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100.
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20th Century Plant Food Co., Beverly, Mass.
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Coleus, 2½ inch, \$15.00 per 1000. R. C., \$4.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

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Edwards Folding Box Co., Philadelphia
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Cyclamen Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

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Herbert, Acto, N. J.
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45,000 field-grown clumps, 2c and up. List ready. H. W. Koerner, Sta. B., Milwaukee, Wis.

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Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridge-water, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

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Frank Oechlin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

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Boston Florist Letter Co., 68 Pearl St., Boston, Mass.

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Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums, R. C., best varieties, \$9.00 per 1000. Sunnyside Greenhouses, Barberton, Ohio.

Red Wing, the best 1910 novelty, deep cardinal red. Rooted cuttings, 75c. per doz., prepaid. Chas. Frost, Kenilworth, N. J.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Poitevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

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GLADIOLI—Best sorts, extra mixtures, all sizes. C. Betscher, Canal Dover, O.

Send for our list of choice gladioli and dahlias. Cushman Gladiolus Co., Sylvania, O.

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Boston Plate & Window Glass Co., Boston.
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Standarn Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

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Peerless Glazing Point.

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A. T. Stearns Lumber Co., Neponset,
Boston.

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J. C. Moninger Co., 117 East Blackhawk
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Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.

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A. T. Stearns Lumber Co., Boston, Mass.
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D. Iliffe, Boston, Mass.

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William H. Lutton, Jersey City, N. J.

Lord & Burnham.

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Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

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Hitchings & Co., 1170 Broadway, N. Y.

**GREENHOUSE CONSTRUCTION, Semi-
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Iron Frame Houses.** Lord & Burnham Co.,
1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B.
Improved V Shape Gutter with drip gut-
ter attachment. Lord & Burnham Co.,
1133 Broadway, N. Y.

King Construction Co., North Tonawanda,
N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Assn. of America.
J. G. Esler, Saddle River, N. J.

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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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HEATING APPARATUS

Lord & Burnham Co.,

1133 Broadway, New York.

Kroeschell Bros. Co., 468 Erie St., Chicago.
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HELIOTROPES.

Heliotrope, dark blue, 2 1/4 in., \$2.00 per
100; 3 1/4 in., \$6.00. Very bushy rooted cut-
tings, 65 cents per 100. Cash. C. H. Ja-
cobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.

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Boblink & Atkins, Rutherford, N. J.

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James Backhouse & Son, Ltd., York, Eng-
land.

Alpine and Herbaceous Plants.

HOLLYHOCKS

Hollyhocks. Double field grown, large
blooming size. Separate colors: Red,
white, pink, yellow, maroon, bronze and
black; also Allegheny strain in mixed
colors. All at \$3.00 per 100; \$25.00 per 1000.
Dabbas and hardy plants. Catalogue. W.
W. Wilmore, Box 382, Denver, Colo.

HOSE

H. A. Dreer, Philadelphia, Pa.
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**HOTEL ACCOMMODATIONS FOR
NATIONAL FLOWER SHOW**

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Hotel Westminster, Boston, Mass.

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Copley Square Hotel, Boston, Mass.

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Hotel Brunswick, Boston, Mass.

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A. T. Stearns Lumber Co., Neponset, Mass.

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Foley Mfg. Co., Chicago.

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

IMPATIENS

Impatiens, 2 inch, \$1.75. Two colors, R.
C., \$1.00 per 100. Sunnyside Greenhouses,
Barberton, Ohio.

INSECTICIDES.

Nicotide kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Kilmdead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

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GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made
especially by us for the Gypsy M-th Com-
mission. Limpid at all temperatures, com-
pletely penetrates the nest; kills all eggs.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

IRIS

Boblink & Atkins, Rutherford, N. J.

German and Japanese Iris.

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IRIS—The very best out of 500 sorts.
C. Betscher, Canal Dover, O.

Sans Souci, Siberian Blue and Delicata,
\$2.50 per hundred. C. S. Harrison's Select
Nursery Co., York, Neb.

IVIES

Ivy, rooted cuttings, English, \$1.00; Ger-
man, 50c. per 100 prepaid. Chas. Frost,
Kenilworth, N. J.

English Ivies, 2 1/4 inch in pots, \$4.00 per
100; well rooted cuttings, \$1.00 per 100,
\$9.00 per 1000. Home Nursery, Norwood,
R. I.

German Ivy, rooted cuttings, \$1.00 per
100. Wagoner Floral Co., Columbia City,
Ind.

JAPAN MAPLE

Japan Maple in leaf, 6 inch, \$1.00 each.
The Geo. Wittbold Co., Edgebrook,
Chicago, Ill.

KENTIAS

A. Lentby & Co., Roslindale, Mass.

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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass. Dept. 8.

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LILACS

Rouens, on their own roots. 1 to 2 ft.,
\$5.00; 2 to 3 ft., \$10.00; 3 to 4 ft., \$15.00
per hundred. C. S. Harrison's Select Nur-
sery Co., York, Neb.

**LILIMUM MULTIFLORUM AND
GIGANTEUM**

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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**LILY OF THE VALLEY
CLUMPS**

Wm. Elliott & Sons, New York.

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Lily of the Valley Clumps, \$6.00 per 100.
Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY PIPS

"Buds," New York, N. Y.

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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NOVELTIES

"REAL NOVELTIES AND
NOVEL REALITIES."

In Hardy Plants.

The biggest collection offered anywhere,
is found in our NOVELTY CATALOGUE,
just out.

Of great interest to the amateur and
commercial grower alike.

It describes and illustrates uncommon
plants of singular beauty, desirability and
simplicity of growth; inexpensive to
acquire.

Besides; our low prices, plants are big,
making them valuable, in small or large
quantities.

Mailed along with our illustrated whole-
sale catalogue of Hardy Perennials, etc.,
on receipt of three 2c. stamps, which pays
postage only, and which amount is
credited on first order.

PALISADES NURSERIES, INC.,
SPARKILL, N. Y.

Imperative to mention this paper.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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T. C. Thurlow's Sons, Inc.

West Newbury, Mass.

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Mass.

Hardy, Northern Grown Stock.

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Eastern Nurseries, Jamaica Plain, Mass.

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McHutchison & Co., New York, N. Y.

Direct Importations.

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Daniel A. Clarke, Fiskeville, R. I.

Ornamental Trees, Shrubs, Vines, Etc.

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F. W. Kelsey Nursery Co., New York, N. Y.
"Everything Worth Planting."

TREES, SHRUBS, ROSES, EVER-
GREENS, PONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SEED

Schilder Bros., Chillicothe, Ohio.

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ONION SETS

Leonard Seed Co., Chicago, Ill.

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Schilder Bros., Chillicothe, Ohio.

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S. D. Woodruff & Sons, New York, N. Y.
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Choice, sound, unsprouted onion sets.
Yellow, \$1.20; red, \$1.25; white, \$1.60 per
32 lb. bushel. Sacks included. Sluis Seed
Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.

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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh imported and Established Orchids
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordóñez Bros., Madison, N. J., Box 106.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
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Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead: Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Rosindale, Mass.
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John Scott, Brooklyn, N. Y.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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PANDANUS

Pandanus Veltchii cuttings, \$1.00 per 25,
post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies,
\$3.50 per 1000; 100 prepaid, 50c. Chas.
Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., 5¢; 2½ in., 4¢;
2 in., 3¢. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PEAT

J. H. Sprague, Barnegat, N. J.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PBONIES

PEONIES—1200 sorts, an enormous stock.
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunia, double, 2½ inch, \$2.00 per 100.
Sunnyside Greenhouses, Barborton, Ohio.

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 800 for \$5.00. J. C. Schmidt,
Bristol, Pa.

Petunias, Dreer's double fringed, large
flowering, in bud and bloom, 3½ in., 4c.
Cash. Twin City Greenhouses, Basli, Ohio.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
E. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast Iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

POPPIES

Oriental Poppies, mammoth flowered;
grandest poppy in cultivation, perfectly
hardy. Strong yearling plants \$1.00 doz.
Wingert & Ulery, Springfield, Ohio.

POTASH

German Kali Works, Baltimore, Md.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PRIVET

CALIFORNIA PRIVET.
Fine, well-rooted, well-graded, 2-year
stock, 12 to 18 in., branched, \$1.25 per 100;
\$3.00 per 1000; 18 to 24 in., 3 or more
branches, \$1.50 per 100, \$10.00 per 1000;
2 to 3 ft., 4 or more branches, fine, \$2.00
per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or
more branches, strong, \$3.00 per 100, \$25.00
per 1000; 3 to 4 ft., 8 or more branches,
extra selected, \$4.00 per 100; \$35.00 per
1000. Only strong branches counted in
grading. Special low rates on car lots.
All packed to carry safely, free of charge.
Chas. Black, Hightstown, N. J.

Amoor River, 2 yr., all well bran, 12 to
18 in., \$12.50M; 18 to 24, \$16.50M; 24 to 30,
\$20M; 30 to 36, \$25M; 36 to 48, \$30M;
Cal. Privet: 2 yr., 12 to 18 in., 2 to 4 bran,
\$7.50M; 18 to 24, 3 to 5 bran, \$10M; 24 to
30, 4 to 6 bran, \$14.50M; 30 to 36, 6 to 10
bran, \$20M. F. O. B., cash with order.
Valdesian Nurseries, Bostic, N. C.

200,000 California Privet, all sizes at price
of 1 year. 10,000 Ampelopsis Vetchil and
Clematis Paniculata, heavy, 1 and 2 year
old, field-grown vines, 2 to 3 feet, and 3 to
4 feet, at 4 and 9 cents. List free. Benja-
min Connell, Florist, Merchantville, N. J.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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RESURRECTION PLANTS

RESURRECTION PLANTS—We are
strictly headquarters for the Mexican
resurrection plant, and ship all over the
world. Dormant plants, guaranteed to
"resurrect," \$2 per 100, delivered; \$10 per
1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000
weigh about 45 pounds. Also cacti. The
Francis E. Lester Company, Dept. 9,
Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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A. N. Pierson, Inc., Cromwell, Conn.
Roses for 1911.

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Wanted—Rose plants of any kind. Mel-
rose Garden Co., 90 Melrose St., Provi-
dence, R. I.

SALVIA

A. N. Pierson, Inc., Cromwell, Conn.
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Salvias, 2 inch, \$1.75 per 100. Sunnyside
Greenhouses, Barborton, Ohio.

SCALECIDE

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SEED GROWERS

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SEEDS

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Arthur T. Roddington, New York.
Quality Sweet Peas.
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Beans, Peas, Sweet Corn, Onion, Turnip.
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Gerbera Jamesoni Magnifica.
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J. Bolgiano & Son, Baltimore, Md.
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Weeber & Don, New York, N. Y.
Florists' Flower Seeds.
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SMILAX PLANTS

Smilax Seedlings three times cut back,
50c., 100; \$4.00, 1000. Cash. Freeport Flora
Co., Freeport, Ill.

In writing to Advertisers kindly mention Horticulture

SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.
Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPIREA

Spiraea Gladstonii in bud; nice plants, \$4.00 per dozen. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

STRAWBERRY PLANTS

Americus Everbearing strawberry is the best variety known for forcing. Its season is positively all the time. Worth all other varieties combined, whether for greenhouse, garden or field. Write for convincing evidence. Edwin H. Riehl, Station 4, Alton, Ill.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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TRITOMA PFITZERI

Tritoma Pfitzeri, the best of the Red Hot Pokers for cut flowers. Divisions, single crowns, \$4.00 per 100, \$30.00 per 1000; double and triple crowns, \$6.00 per 100, \$50.00 per 1000; clumps, \$8.00 per 100, \$70.00 per 1000. Thomas J. Oberlin, Sinkang Spring, Pa.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VEGETABLE PLANTS

Vegetable plants from seedbed, all leading varieties. Write for prices. A. S. Pett, Crawfordsville, Ind.

VINCAS

Vinca variegata rooted cuttings, \$1.00 per 100; \$8.00 per 1000. Orders booked for delivery at any time. Russell Bros., R. R. 4, Syracuse, N. Y.

Vinca variegata rooted cuttings, 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gillmet, Moylan, Del. Co., Pa.

Violets, rooted runners. Campbell, California, \$1.00 100, \$7.50 1000; Princess, \$1.00 100, \$10.00 1000. John A. Burns, Frankford Ave., Holmesburg, Phila., Pa.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.
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The J. M. McCullough's Sons Co., 316 Walnut St.
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August Millang, 41 W. 28th St., New York.
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Moore, Heutz & Nash, 55 and 57 W. 26th St., New York.
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Badgley, Riedel & Meyer, Inc., New York.
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A. Moltz & Co., New York, N. Y.
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Siebrecht & Siebrecht, 136 West 28th St., New York.
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Philadelphia

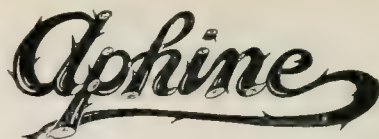
Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale and all soft bodied insects, without the slightest injury to the tenderest flower or foliage.

An excellent cleanser for decorative stock. You can rely on it for positive results, without fear of failure or dissatisfaction.
\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN

Send for name of nearest selling agent. Our products are not alone endorsed, but are continuously used by leading Commercial Growers, Professional Gardeners, Park Departments and State Colleges of the country.

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APHINE MANUFACTURING COMPANY
MADISON, N. J.

Cocoonat Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

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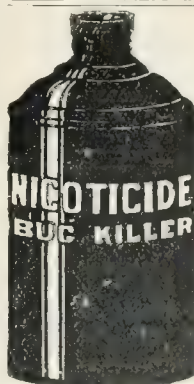
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The Best Bug Killer and Bloom Saver

For PROOF

Write to

P.R. Palethorpe Co.

OWENSBORO, KY.

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Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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250 page catalog free. Write to-day

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HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. National Labor Exchange, 918 Walnut St., Phila., Pa.
HENRY C. PRICE

WANTED AT ONCE

An experienced and reliable foreman for Nursery. State particulars, salary wanted, references, etc.

SOUTHWORTH BROS.,

Beverly, Mass.

WANTED Foreman and grower for commercial place, 15,000 feet of glass, near Boston. Married man preferred; wages \$57.00, and house. Splendid chance for right man. "W." care HORTICULTURE.

WANTED Young man accustomed to filling and checking orders, with some experience as shipping clerk. Also an experienced nurseryman wanted. The Elizabeth Nursery Co., Elizabeth, N. J.

WANTED—A young nurseryman of some practical experience in general nursery and landscape business. State age, experience, with references, and salary to begin. Chas. R. Fish & Co., Worcester, Mass.

SITUATIONS WANTED

WANTED—Position as working foreman or general manager of commercial greenhouses, retail or wholesale, by an up-to-date hustler. A-1 grower of roses, carnations, mums or pot plants. Willing to let one-half salary come from a percentage of profits at year's end. Middle aged; temperate; no family. A-1 references. Address Roberts, care J. B. Nugent, Jr., 42 W. 28th St., New York.

SITUATION WANTED by a single, middle aged man as gardener and florist; good propagator and planter. Long experience in the business. Massachusetts preferred. Can furnish references. X. T., care HORTICULTURE.

GOOD GREENHOUSE MAN, married, 10 years' experience in cut flowers, pot and bedding plants. Sober. State wages and particulars. E. M., 29 Kent Ave., Pittsfield, Mass.

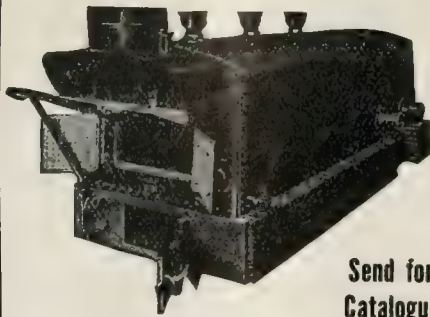
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FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

Greenhouse property near Boston; 12,000 feet of glass, dwelling house, barn and 8 acres land. G. B., care of HORTICULTURE.

INFORMATION WANTED

WHO CAN TELL where Johnny Kelley is? Late of Hinkley House, Fairfield, Me. Works in greenhouses. See Stamford, Conn. His brother William Baker, 92 Maywood, Roxbury, Mass.



Send for
Catalogue

Short But Sweet.

I think the Kroeschell Boiler is the "boss" of all boilers. Very truly yours,
JEFF. DOREMUS, Green Village, N. J.

Get a Kroeschell and You Will Be Pleased Too.

I am very well pleased with the Kroeschell Boiler which I purchased five years ago. It has given perfect satisfaction to this date. Yours truly, A. W. BELCHER, Winthrop, Mass.

Get a Kroeschell and You Will Never Change.

The No. 6 and No. 8 Kroeschell Boiler cross-connected are heating 30,000 feet of glass—would take care of 5,000 feet more. I never will use any other for hot water heating. We are using a Generator on the heating system and could not do without it. Very truly yours, J. N. BOMMERSBACH, Decatur, Ill.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

FOR "POT LUCK" TRY US... HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

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LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Gorham, Me.—F. H. Smiths, addition.

Decatur, Ill.—Pythian Home, one house.

Covington, Ohio.—A. R. Miller, one house.

Williamsburg, Pa.—A. J. Hill, one house.

Westerly, R. I.—Conrad S. Schultz, two houses.

Detroit, Mich.—Gus. Taepke, house 33x200 feet.

Louisville, Ky.—Mrs. Laura Schleeter, three houses.

Greenwich, Conn.—James Campbell, range of houses.

Kissimmee, Fla.—Miss Jean Caldwell, one house.

Idaho Falls, Idaho.—E. F. H. Lawrence, one house.

Syracuse, N. Y.—L. J. Mulhauser, house 32x75 feet.

Mount Vernon, Ohio.—J. W. Aberne, house 18x75 feet.

San Mateo, Cal.—J. C. Littlepage, range of houses.

Valley Falls, R. I.—W. S. Sword, house 20x60 feet.

Torrington, Conn.—Henry Riler, one house 150 feet long.

Sterling, Ill.—Sterling Greenhouses, two houses 30x125 feet.

Roslyn, Pa.—Adolph Farenwald, two houses, each 42x350 feet.

West Park, N. Y.—O. A. Payne Estate, range of conservatories.

Des Plaines, Ill.—Des Plaines Floral Co., four houses, each 20x100 feet.

Geneva, Ohio.—F. E. Chapman, four vegetable houses, each 24x200 feet.

Far Rockaway, N. Y.—John F. Marsden, carnation house 32x250 feet.

Grand Rapids, Mich.—R. E. Yonkers, two vegetable houses, each 24x275 feet.

Cromwell, Conn.—A. N. Pierson, King house, 70 x 382, for Dark Pink and Double Pink Killarney roses.

Southington, Conn.—William Fischer, the florist, who is erecting an addition to his greenhouse, as was reported in the last issue of HORTICULTURE, had the misfortune to fall from one of the structures, breaking one or two ribs.

GLASS

Greenhouse and Hot Bed

SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our Prices

PARSHELSKY BROS., Inc.

59 Montrose Ave., BROOKLYN, N. Y.

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of Others."

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Holds Glass Firmly

See the Point of
PEERLESS

Glazing Points are the best.
No rights or lefts. Box of
1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE
No. 2



PATENTS GRANTED.

986,145. Plant-Setting Machine. Samuel T. Davis, Philadelphia, Pa.

986,395. Plant and Flower Pot. Gertrude M. King, Nantucket, Mass.

Cleveland, Ohio.—Edward C. Rock, Woodland avenue, is reported to have gone into bankruptcy.



DREER'S

Florist Specialties
New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST
1/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
3/4-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2in. pots in crate\$4.88	144 6 in. pots in crate\$3.26
1590 2 1/4 " " " 5.75	120 7 " " " 4.20
1500 2 3/8 " " " 6.00	60 8 " " " 3.00
HAND MADE	
1000 3 " " " 5.00	48 9 in. pots in crate\$3.60
800 3 1/2 " " " 5.80	48 10 " " " 4.80
500 4 " " " 4.50	24 11 " " " 3.60
450 4 1/2 " " " 5.24	24 12 " " " 4.80
320 5 " " " 4.51	12 14 " " " 4.80
210 5 1/2 " " " 3.78	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of
Cylinders for Cut flowers, Hanging Baskets, Lawn
Vases, etc. Ten per cent. off for cash with order. Address

HILLFINGER BROS., Pottery, Fort Edward, N.Y.
August Reiker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This
will save you fuel. Our pots are the thinnest and
toughest owing to the superior quality of the clay.
New price list on application.

Syracuse Pottery Co., SYRACUSE,
N. Y.



ALL THE CLAY

FOR OUR
Florist' Red Pots
is prepared by passing
through a screen 1600 meshes
to the square inch. If in
a hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of
the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
PURLINS, PIPE, FITTINGS, GLASS,
Etc.

PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

The Foley Manufacturing Co.
Western Ave. and 26th St., CHICAGO

CYPRESS SASH BARS 82 feet or longer HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

IRON PIPE

Second Hand

Suitable for all greenhouse pur-
poses, steam, water, gas or oil,
also for fences or posts. All
sizes. Prices low.

Buxton, Doane Co.

16 Midway St., Boston
Telephone, Fort Hill 2475



Meet us at the National Flower Show
in Boston, March
25th to April 1st.
Our exhibit will be
at Mechanics Build-
ing, Space 302.

DO NOT FORGET
The Advance Co.
RICHMOND, IND.

GREENHOUSE CONSTRUCTION

HEATING and VENTILATING
FITTINGS and SUPPLIES
ALSO GENERAL REPAIRING

**D. ILIFFE, 72 PEARL ST.,
BOSTON, MASS.**

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EVENTUALLY YOU WILL
BUILD

KING GREENHOUSES

WHY NOT NOW ?

THEY PRODUCE RESULTS.

THEY ARE EASY TO BUILD.

YOU CAN DO IT YOURSELF.

WE FURNISH ALL THE MATERIAL,

OR AS MUCH AS YOU WANT, AND

SPECIFICATIONS FOR THE BALANCE.

WRITE FOR BULLETIN A

KING CONSTRUCTION CO.

HOME OFFICE AND FACTORY
**N. TONAWANDA,
N. Y.**

EASTERN SALES OFFICE
**No. 1 Madison Avenue
NEW YORK**

STANDARD PLATE GLASS CO.

Manufacturers—Importers—Jobbers

NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

LOWEST PRICES ON REQUEST

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61-63 Portland St.

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Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

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GERMAN AND
AMERICAN

261 to 287 A Street

BOSTON

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The FLORISTS' HAIL ASSOCIATION
OF AMERICA, insurer of \$2,500,000
sq. ft. of glass. For particulars address
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AND SECOND-HAND

Boilers, Pipe, Fittings, Glass, Greenhouse
Lumber, Tools, Sash, Etc.

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1392-1414 Metropolitan Ave., Brooklyn N. Y.

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it in HORTICULTURE."

THE U-BAR CIRCULAR PALM HOUSE



Curves are the very key note of the U-Bar house. The circular palm house is, of course, but the natural development and the most fitting accompaniment of the U-Bar Curved Eave House.

To build a circular palm house with other constructions, although not exactly impossible, is decidedly undesirable, because of the numerous heavy framing members coming closely together at the dome, giving a very cumbersome unpleasing effect.

Not so with the U-Bar, as the strong light U-Bars entirely support the roof—there being no heavier roof members on the inside than you see on the outside. It is a house of beauty from start to finish. It is the U-Bars that make the U-Bar house—the house with the original curved eaves. Send for catalog.

U-BAR GREENHOUSES

PIERSON

DESIGNERS AND BUILDERS

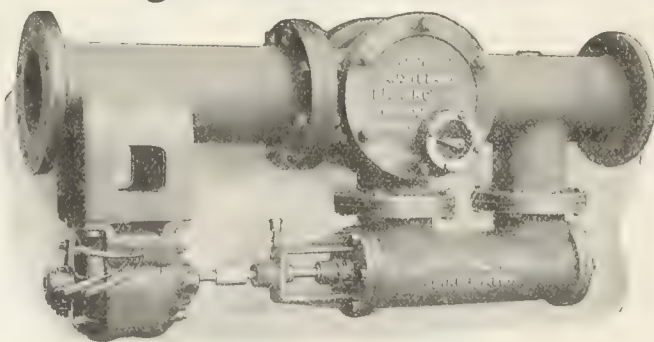


U-BAR CO.

1 MADISON AVE., NEW YORK.

CANADIAN OFFICE: 10 PHILLIPS PLACE, MONTREAL.

*You don't need to burn out your fire
trying to get heat quickly into the
greenhouse farthest from your boiler.*



The Castle Automatic Circulator

will force the hot water throughout
the system and do it without put-
ting on a pressure that is liable to

cause leakage. It does it by mechanically setting the water in motion and keeping it moving until the desired heat is just where you want it.

The Castle Circular has entirely cured the faults of hot-water systems which could not be satisfactorily operated before it was put in. We would like to show you the results of the tests.

Our new booklet tells how the circulator works. Write at once to the

AMERICAN AUXILIARY HEATING COMPANY
6 BEACON STREET, BOSTON, MASS.

S.A.F.
1911

HORTICULTURE

Vol. XIII.

MARCH 25, 1911

No. 12



NATIONAL
FLOWER SHOW
SPECIAL NUMBER

U KNOW US

LET'S KNOW U

LEST YE FORGET

Of course on your way home from the Flower Show, you will stop at Philadelphia and come to see us, "THE LEADING FLORISTS' SUPPLY HOUSE." Your trip will not be complete unless you do. Our latch string is always out.

KATALOG for the asking.

The Leading Florists' Supply House and Ribbon Specialists

M. RICE & CO., 1220 Race Street,
Philadelphia, Pa.

Manufacturers—Importers—Originators

WHEN VISITING THE NATIONAL FLOWER SHOW

do not miss seeing our collection of

NEW CHINESE PLANTS

Exhibited in the main hall.

R. & J. FARQUHAR & CO.

6 & 7 South Market Street
BOSTON, MASS.

SEASONABLE STOCK THAT YOU WILL NEED

	2-in. per 100.	3-in. per 100
GERANIUMS, in a good assortment.....	\$2.00	\$3.00
IVY GERANIUMS, 5 varieties, including Rycrofts Surprise	2.00	3.00
IVY GERANIUMS, variegated foliage, L'Ele- gant, Duke of Edinburg.....	3.00	4.00
VARIEGATED GERANIUMS, Silver Leaf Nutt and Sophie Dumaresque.....	3.00	4.00
PETUNIAS, double, white and mixed colors..	2.00	3.00
PETUNIAS, single fringed.....	2.00	3.00
ALYSSUM, double, Dwarf and Giant.....	2.00	
ALTERNANTHERA, six varieties.....	2.00	
COLEUS, Golden Bedder, Verschaffeltii, Queen Victoria, Fire Brand, Lyons Hero, etc.....	2.00	3.00

	2-in. per 100.	3-in. per 100
FUCHSIAS, six varieties.....	2.00	3.00
LEMON VERBENAS, Aloysia Citriodora.....	2.00	3.00
LOBELIA, Kathleen Mulkard and Newport Model	2.00	
TRADESCANTIA, Zebrina Multicolor.....	3.00	
CUPHEA, Cigar Plant.....	2.00	
SWAINSONA Alba.....	2.00	3.00
SALVIA, Bonfire and Zurich.....	2.00	3.00
ASTERS, Dreer's Peerless Pink and Pink Beauty, 2-in. pots, \$3.00 per 100; \$25.00 per 1000.		
ASTERS, Vicks early and Late Branching Rose Pluk and White, 2-in. \$2.00 per 100; \$18.50 per 1000.		
COLEUS, Cuttings, 60cts. per 100; \$5.00 per 1000.		

CASH WITH ORDER PLEASE

R. VINCENT, JR., & SONS CO., White Marsh, Md.

CARNATIONS

☞ **WHITE HOUSE**, The Quality White. Won the Silver Cup at Morristown for best undisseminated variety; Bronze Medal at Pittsburgh. and five other certificates. Absolutely non-bursting, clean and kind in growth, and a variety that will make good. We have 10,000 for March delivery and that is all we will be in a position to supply of this variety.

☞ **PRINCESS CHARMING**, the finest thing in sight in the Enchantress shade of pink. Every bud a perfect flower and your net returns per square foot will surprise you.

Our stock is limited but we are still in a position to supply first-class rooted cuttings of both these varieties at **\$12.00 per Hundred; \$100.00 per Thousand.**

CHRYSANTHEMUMS.—We catalogue over 500 varieties and surely we have the kind you want.

CHARLES H. TOTTY, Madison, N. J.

WASHINGTON

Dark Pink Sport of
ENCHANTRESS

\$10 per 100; \$20 per 250; \$75 per 1000

Chicago Carnation Co.

35-37 Randolph St., Chicago, Ill.

ROSES

HIGH QUALITY
READY NOW

CARNATIONS

	Per 100	Per 1000
Pink Killarney....	\$6.00	\$55.00
White Killarney..	6.00	55.00
Maryland	5.50	50.00
Richmond	5.00	45.00
Perles, ready Apr.		
1st	5.50	50.00
Richmond, now ready, 3½ in... 8.00		65.00
Cut Back, Benched, Pink Killarney, \$60.00 per 1000, Good Strong Stock		

	R. C. per 1000	Per 1000
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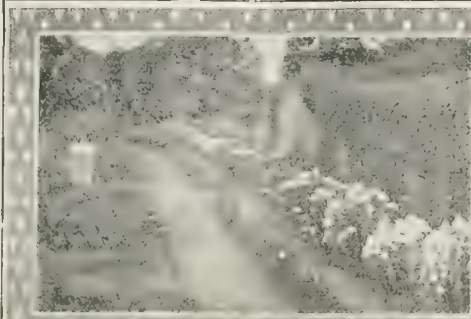
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 Cheer, Yellow Eaton, J. Nonin.
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General Collection of Standard Varieties:

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Early—George S. Kalb, Polly Rose, Early Snow, Ivory,
 Clementine Touse.
 Mid-season—Mrs. Clay Frick, Mrs. H. Robinson, Alice
 Byron, Miss Minnie Wanamaker, Heston's White, White
 Cloud.
 Late—White Bonnaillon, Moneymaker.

PINK.

Early—Glory of the Pacific, Pacific Supremé.
 Mid-season—Pink Ivory, William H. Duckham.
 Late—Maud Dean, Mayor Weaver, Dr. Enguehard.

YELLOW.

Early—Monrovia, Golden Glow, Comoleta.
 Mid-season—Pitcher, Col. D. Appleton, Mrs. Wm. Duck-
 ham.
 Late—Major Bonnaillon.

RED.

J. H. Shrimpton, Merstham Red, Intensity, Culling-
 fordii.
 Rooted cuttings, 5c. each; 50c. per dozen; \$2.00 per 100;
 15.00 per 1000.
 From 2¼-inch pots, 5c. each; 50c. per dozen; \$3.00 per
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Pompons:

THE BEST OF THE COMMERCIAL VARIETIES.

We can safely recommend all the Pompons in the fol-
 lowing list.
 Customers in ordering will please note that these prices
 are for plants from pots; no orders for rooted cuttings
 of Pompons will be accepted.

WHITE—Baby Margaret, Lula, Queen of Whites, Nio,
 Jas. Boone.

PINK—Alma, Aleua, Acto, Eleganta.

YELLOW—Baby, Klondike, Quinola.

BRONZE YELLOW—Lodi, Miss Julia, Allentown.

RED—Rufus, Jlia, Lyndhurst.

POMPON ANEMONE. GARZA.

From 2-inch pots: 5 cents each, 50 cents per dozen,
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 varieties at the 100 rate; 250 in assortment, our selec-
 tion at the 1000 rate.

BEDDING PLANTS

COLEUS.

Verschaffeltii. Standard Crimson.
 Firebrand. Bright Maroon.
 Golden Queen. Standard Yellow.
 Lord Palmerston. Dark Maroon.
 Queen Victoria. Cardinal Red, with distinct golden
 border.
 Beckwith's Gem. Center velvety maroon, bordered with
 red; the edge green, changing to creamy yellow at the
 point of leaf.

Rooted cuttings by express: 75 cents per 100; \$7.00
 per 1000. Out of 2¼-inch pots in May: \$2.50 per 100,
 \$20.00 per 1000. Less than 250 of a variety will be
 charged at the 100 rate.

Golden Bedder. Golden Yellow, the old original, true to
 name.

Hero. Very Dark Maroon.
 Messey. Dwarf, Pearl White and Silver Green.
 Brilliancy. A combination of Red and Gold.

Rooted cuttings by express: \$1.00 per 100, \$8.00 per
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 1000. Less than 250 of a variety will be charged at the
 100 rate.

FANCY VARIETIES.

Fancy Varieties. A very fine assortment of twelve kinds
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 2¼-inch pots: \$2.50 per 100; \$20.00 per 1000.

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 2¼-inch pots, our selection, 250 at the 1000 rate.

AGERATUM.

Stella Gurney. Dwarf Blue. 75 cents per 100; \$7.00
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Princess Pauline. A combination of Blue and White
 in same flower. 75 cents per 100; \$7.00 per 1000.

ALTERNANTHERA.

Red and Yellow. Rooted cuttings: 75 cents per 100;
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Brilliantissima. A valuable new Alternanthera, red

and yellow in color, with broad leaf. Strong grower.
 Rooted cuttings: \$1.25 per 100; \$10.00 per 1000. From
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Dark Blue Variety. Rooted cuttings: \$1.00 per 100;
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 1000 rate.

SALVIA.

S. Splendens. Tall standard, one of the best. Rooted
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 S. Bonfire. Medium dwarf; very good. Rooted cuttings:
 75 cents per 100; \$7.00 per 1000.
 S. Zurich. Dwarf; an excellent variety. Rooted cuttings,
 75 cents per 100; \$7.00 per 1000.
 S. Schenley. Medium dwarf; very highly colored.. One
 of the best. Rooted cuttings: 75 cents per 100; \$7.00
 per 1000.

Salvia of these varieties from 2¼-inch pots, April and
 later delivery, \$2.50 per 100; \$20.00 per 1000. 250 of a
 variety, or in assortment as ordered, at the 1000 rate.

BEGONIAS.

Gloire de Lorraine.

Strong healthy plants, ready for April and later de-
 livery. 2¼-inch pots, \$15.00 per 100; \$135.00 per 1000.
 3-inch pots, \$25.00 per 100; \$200.00 per 1000. 4-inch pots,
 \$35.00 per 100; \$300.00 per 1000. Write for special price
 on large orders.

Glory of Cincinnati.

A new begonia with large, heavy foliage. Flowers in
 abundance. An excellent Christmas plant. Strong
 healthy plants for June and later delivery: 2¼-inch
 pots, \$20.00 per 100; \$150.00 per 1000.

ASPARAGUS HATCHERI.

Prices of plants from 2¼-inch pots, \$3.00 per dozen;
 \$15.00 per 100; \$100.00 per 1000. April delivery.

PALMS AND FERNS.

Our Palm and Fern department is up to its high
 standard of excellence. We call especial attention to
 our Adiantum Farleyense, and extra nice Phoenix
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Pinus Strobus



Abies Concolor

Two examples of the many choice Conifers growing in our Nurseries, which include also large specimen plants of Balsam Fir, Norway Spruces, Douglas Spruce, Cembra Pines, Retinosporas, Pyramid Arbor Vitae and the finest collection of large Red Cedars for immediate effect to be found in this country.

Visit our exhibit at the big National Flower Show in Boston—and send for our Catalogue, which includes besides these things a fine collection of Trees, Shrubs, Vines and Herbaceous Plants.

Eastern Nurseries

Jamaica Plain, Mass.

HENRY S. DAWSON, Manager.

Aconitum

Among flowering perennials which, regardless of fads and fashions in garden planting, have permanently held their own we must count the aconitums. They are generally known to represent a genus rich on distinct species, still notwithstanding the many varied forms and colors, the old common monkshood, *Aconitum napellus*, seems to lead in public favor. Always occupying its space in some corner of our ancestors' gardens, it lays claim upon the same space today. Here in the north it does best in the open sunny exposure, while in the middle states a half-shady location is apt to prove of better advantage.

Aconitums thrive well in a rather light sandy loam, richly manured. To bring out their full beauty means to leave the plants undisturbed for a number of years. The result of transplanting is low growth; the stately height of 6 to 8 feet is only attained by old plantations with plenty of fibre roots. Once established their large terminal racemes of quaintly shaped flowers become a distinct feature of the mid-summer aspect of a garden. The dark glossy green of the foliage also adds to the good general effect of plants. The color of the blossoms of *Aconitum napellus* is a deep blue; var. *album* is nearly white, while *bicolor* and *versicolor* show a very attractive blue and white. All aconitums represent an excellent material for filling tall vases.

Botanists divide aconitums into two sections: tuberous and fibrous rooted. The species *napellus* belongs to the former. The roots of nearly all monkshoods are poisonous, consequently all plantings should be left out of kitchen gardens. A more thorough study of the different garden varieties cannot be too strongly advocated in all cases where herbaceous borders of liberal extent are planned. The acquaintance of a great majority of gardeners and garden owners with aconitums appears to be limited to the *napellus* forms. Still there is a



ACONITUM NAPELLUS VAR BICOLOR

number of less known species in cultivation which will prove very desirable acquisitions for the flower garden. *Aconitum autumnale*, of medium height, blue, broadly helmeted, flowers during September and October. *A. Cammarum*, rich deep purple, is a fine mid-summer species. The same may be said of *A. chinense*, bearing its intense bright blue blossoms in large compound racemes. *A. Fischeri* flowers pale blue; *A. lycoctonum* livid violet and *A. Wilsoni* light intense blue. Of the yellow shades I mention *A. barbatus* producing dense racemes of cream color, and *A. Anthora*, and *A. pyrenaicum*. Interesting and, when rightly employed, highly effective, is the climbing monkshood *A. Hemsleyanum*, a very pretty violet blue introduction from China. This small selection of meritorious garden forms may suffice to show how great an opportunity aconitums offer to enrich and brighten our floral outdoor displays.

Richard Roth

Northeast Harbor, Maine.

Gladiolus Notes

In trying out new varieties of gladioli, there are various things that have to be considered before passing final judgment. The change of climate and soil; the manner of fertilizing and cultivation—all have their influence in developing or retarding the blooming qualities. Then there are varieties that do not bloom at their best, only every other year. This is characteristic of many varieties after they have been grown from divisions for a few years. So it is much better, when possible, to get bulbs that are grown to blooming size from bulblets. These young bulbs are much stronger and nearly always produce good flowers under changed conditions of planting.

Two years ago I obtained in a collection from Vilmorin & Co., Paris, their variety *Parure*. It produced that year a rather weak plant with a short spike of insignificant pink flowers poorly set on the spike, but they

were a very pretty shade of pink and for that reason I saved the bulb and planted it last season, and when it came into bloom again I had the surprise of my life, for I can truly say that I beheld the most beautiful pink gladiolus I have ever seen. The flowers set perfectly on a splendid spike, very large, soft pink, daintily penciled on the edge with carmine, with a large pure white throat. *Le Triomphe*—a lilac pink variety, and *M. A. Brouginiart*, a large orange pink sort, are two other very fine Gandavensis varieties offered by this firm.

I received from Wilhelm Pfitzer, Stuttgart, Germany, about sixty varieties, a very excellent collection. Of these the following were particularly fine: *Jungfrau*—a very delicate pink with a most distinctive lavender tint. *Margot von Quaita*—a variety resembling *May*, but nearly double the size. *Helios*—a very large dark canary yellow, almost solid color, and *Frau Senger Bet-*

taque, a large pure white, with a slight stain in the throat. E. Y. Teas & Son, Centerville, Ind., sent me a splendid white variety—Alice Carey, that I would describe as very similar to Frau Senger Bettaque. Another variety from this firm that I like very much is Big Medicine; rose flaked yellow, very large and fine.

C. L. Goodrich, the Luther, Iowa, specialist, is producing some remarkable Childsi seedlings. The colors are clear and bright and the blendings exquisitely delicate. No. 183 is a large flower, measuring 5 to 6 inches across; a beautiful blending of lilac and lavender, with penciling on the edge of some of the petals. No. 1248 is a very large flower of a tint similar to America, with a larger flower, although not quite so well arranged spike. No. 1258—white ground penciled crimson; dark red blotch in throat; flower about 5 inches in diameter.

I tested all of the novelties of John Lewis Childs, Flowerfield, N. Y., and a fine quartette they were. Especially good were Pink Pearl, a very beautiful pearly pink, as the name suggests, and Rosy Spray, a large white sort beautifully stained with rose. From their general list were Melrose—a large white flower, flaked pink with a bright crimson center; L. S. Hendrickson—a beautiful mottling of white and bright pink, and Wild Rose—delicate pink, or rose shade; very fine.

P. O. Coblenz, New Madison, Ohio, is doing good work as a breeder and his seedlings show great vigor with petals of good substance. He is producing some fine stuff. His No. 400 is a splendid light creamy yellow with a bright red blotch and extra large flower. No. 53 is a beautiful ruffled pink; No. 42, a deep bright pink almost solid color. Nancy Ray is a fine white sort with a red throat marking.

In a collection from E. E. Stewart, Rives Junction, Mich., there was a most beautiful variety—No. 103. It was a delicate pink variety with ruffled petals. Golden Queen, the variety that won the prize at Rochester for the best yellow, did well with me. It is a clear light

yellow with a red blotch, good straight spikes that do not get soft or wilt in water and the flowers open out to the last bud.

Margaret, offered by Vaughan's Seed Store, is one of the best reds of recent introduction. It is bright carmine, with a large pure white throat. Mastodon—a novelty offered for the first time this year, is a seedling of Princeps and a very striking and valuable variety. Another seedling of Princeps is a variety named Princepene raised by the W. E. Korchoff Co., Pembroke, N. Y. This is one of the most brilliant scarlets I have seen. It is very vigorous, flowers well open and are large and of fine substance. The throat is glistening white and it is a very attractive variety. They tell me that they have shipped the cut spikes to Porto Rico, where they arrived in good condition, so it must be a good shipper.

Montague Chamberlain, who is soon to establish as a commercial grower, has recently bought out a large collection of Mr. Kunderd's hybrids. I am well acquainted with a large number of the varieties in this collection, and they are a splendid lot of gladioli. Improved 1900 one of the best is, as the name implies, a real advance on the old 1900 and is a robust and healthy variety—a quality that was lacking in the old sort. Mr. Chamberlain has purchased a farm in Groton, Mass., where he will grow his bulbs. The farm is nicely located and the soil well adapted for growing gladiolus bulbs. Mr. Chamberlain is a well-known ornithologist and is the author of several volumes on this subject; a man of strictest integrity and fine business ability.

Stewart Gay
Orange, Mass.

Grevillea robusta as a House Plant

I have always admired this plant as seen in a greenhouse and had heard it said that it was most suitable for house use, but until recently I did not realize its possibilities for this purpose. Last fall I took two plants into my house and gave them rather rough treatment but in spite of this they flourished and are still doing creditable duty in my windows. From this little experiment I have been wondering why it is not more generally grown for the retail trade. As specimen plants three feet high it would be irresistible to purchasers. There are many ways that it could be used. A few small plants in a large pot with a still larger plant for the centre; very small plants in shallow pans for the window, or table, combined with other plants, flowering or foliage; with every use it would surely show its worth. It certainly has not been pushed to the full limit. It can be propagated and grown without great trouble and at small cost.

Frank J. Doogue

Dorchester, Mass.



GREVILLEA ROBUSTA
After a Winter in the House

Japanese Yew (*Taxus cuspidata*)

While this desirable evergreen has been known in our American gardens in a limited way for many years, it has not been until quite recently that its many merits as an ornamental tree have been generally realized.

The splendid garden effects obtained by the use of the European Yew (*Taxus baccata*) in various favorable sections of Europe fill the American traveler with hopes that it will succeed equally well in Eastern United States, only to find that the locations favorable to its success are very few. This Japanese form to the contrary proves to be practically as hardy as the Eastern American Hemlock and under favorable conditions eventually grows to be a large and handsome tree. By its use no end of desirable results will be possible that have been out of the reach of the gardener heretofore where climatic conditions are too severe for the European Yew to thrive.

It grows well in the shade, submits kindly to severe pruning, making an ideal hedge, will thrive under the shade of large trees, is tolerant of city atmospheric conditions, long-lived and a rich deep evergreen the year round. Its propagation is, however, somewhat slow and success in transplanting depends upon the stock having an excellent system of roots; pot-grown or frequently transplanted stock giving best results.

The writer has recently had the privilege of visiting some of the parts of Japan where this beautiful Yew is native and finds it thriving under most severe climatic conditions. It is by natural preference a mountain tree and usually on the shady side. The Japanese Yew is very variable in habit in common with many alpine trees. In some places it attains a diameter of trunk of two to three feet and a height of fifty to seventy-five, and quite symmetrical, in other instances being of a spreading nature or even quite prostrate in the higher altitudes where a heavy burden of snow every winter has through succeeding generations kept the growth perpetually bowed down. This great variability in its native habitat suggests the desirability of its propagation for commercial purposes from forms of known habit which can easily be done by graftage or from cuttage.

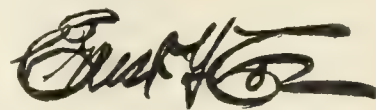
About the temple grounds of Japan, especially those situated in the mountains, this beautiful native Yew has been chosen to occupy places of honor, such as either

side of steps leading to important temples, etc. In such situations the trees have attained in many instances large size and are no doubt many of them several hundred years old. Again this same Yew, but often in its dwarfer garden forms, has seemingly been a favorite with the landscape gardener from the oldest temple garden examples down and even when continuously clipped and confined within very limited size has shown its willingness to remain vigorous, proving its great aptitude and range of usefulness.

There exists among the Japanese today a great variety of garden forms of this Yew showing many variations from upright tree-like types to dwarf prostrate types. No doubt a search throughout the middle and north Atlantic states will reveal many fine old specimens of these various types which have been imported from time to time or disseminated from some of the old nurseries. If perhaps five desirable forms could be selected, suitably named and eventually placed on the market, gardening opportunities will be greatly enriched over a large area of the states. The following forms suggest themselves:

- 1st. Upright tree-like, which would ultimately form a large spreading tree.
- 2nd. A less tree-like form of more compact habit and suitable for windbreaks and tall hedges.
- 3rd. A still dwarfer form of very dense habit for medium hedges and formal specimens.
- 4th. A dwarf form which could be kept to small size.
- 5th. A type with prostrate habit for use in rocky work, etc.

This may seem all very vague and impracticable and at least a long way off, but gardening is receiving increasing encouragement every year in America and the progressive nurseryman will be depended upon more and more to supply the necessary materials, once the landscape fraternity appreciates the value of this Japanese Yew and all available stock that can be possibly produced for a number of years at least, will be quickly taken up. Nurserymen will do well to stock up with it as its field of usefulness is so large that an overstock is hardly conceivable.



New Haven, Conn.

¶ The next two issues will contain full reports of the National Flower Show and the proceedings of the several societies holding meetings in connection therewith. They will be excellent advertising mediums for Easter and Spring Trade.

Seasonable Notes on Culture of Florists' Stock

ANTHURIUMS

Those who grow this genus of stove aroids should see that they have copious supplies of water now and during the summer, as this is their growing period. As the season advances give them more air, but when the temperature drops to 72 degrees see that the air is taken off, as they don't enjoy anything like a chill in the atmosphere. Atmospheric moisture in plenty is essential for this class of plants. They should now be given a temperature during the night of 65 to 70, and, as the season advances, raise it to 75 with a solar heat of from 85 to 90 degrees. Give them shade so to protect them from the powerful sun. Use care in syringing so as to keep the foliage beautiful with that gorgeous tropical appearance. During dark and muggy weather less water should be used. Plants that have not been potted should have a resurfacing of one part each of peat fiber and sphagnum moss. Cone this up 2 or 3 inches above the rim of the pot around the plant.

ASTERS

Early varieties that were started in February and transplanted into flats should be given a temperature of about 50 degrees at night. The flats should be placed as near the glass as possible. This stock when ready can be potted into 3-inch pots and plunged in a cold frame until May, when they can be planted out and these will be earlier than if planted directly from the flats. For the medium and late varieties a mild hotbed is the thing. From now on until the middle of May seed can be sown. A great deal depends on the weather during late Summer and early Fall as to what success you may expect from late sowings. Give the ground in which you propose to plant them a liberal dressing of cow manure, if possible, or thoroughly rotted stable manure. The ground should have a sprinkling of lime—say about 25 to 30 bushels to the acre. When buds show work in some good fertilizer at the rate of 150 to 200 lbs. to the acre. They should receive no check in their growing period.

CANDYTUFT AND STOCKS

These are always very useful for Memorial Day. A spare bench, which is generally found in the violet house or any other cool house, will do to bench both these plants. Soil that will produce good violets, carnations or roses will answer for them. Plants that were raised from seed sown in February should be just right to plant now. With the lengthening days and increased solar heat they will not need any forcing, but should be grown as cool as possible. They will not require a higher night temperature than 50 degrees. Plants that are intended for flowering in pots should be put into 4 or 5-inch pots as soon as possible. A good compost is one-third of decomposed mushroom manure or some spent hot-bed manure mixed through the soil. A 4-inch potful of bone meal to every barrow load will make a generous compost. Grow cool and airy so as to preserve a pure atmosphere. Fumigate at least once in two weeks, as they are very subject to green-fly.

NEPHROLEPIS

After Easter when there will be more bench room start to increase your stock of this fern and also to grow into salable size by next fall. Select a bench that is well drained and cover the bottom with lumpy sod and place on this about four inches of a tolerably rich

sandy loam. Young and thrifty stock can be planted out into this bench and by September or October will attain a fine desirable size to be potted up for winter sales. The fierce sun during midday should be intercepted by some device as a screen so as to afford a measure of shade, but at other times of the day, say from sunrise until 9 or 10 o'clock and after 3 o'clock in the afternoon they should have full and unrestricted light. For stock, plant out of 5 or 6-inch pots and these produce a fine lot of runners, which can be potted up into 2½-inch pots, and with a reasonable amount of atmospheric humidity they will soon establish themselves.

CARE OF ORCHIDS

The best time to repot or topdress *Cattleya Trianae* or *C. Schroederiae* is just before the new growth starts. This also applies to dendrobiums. After they have been potted water should be given with great care for several weeks until good root action is in evidence, when they should never be allowed to get dry at the roots. From now on during their growing season the atmosphere of the house should have a high degree of moisture, but the amount and frequency in watering and damping down will have to be regulated by the weather condition. Ventilate so as to avoid sudden changes and cold draughts. Attend to shading during the bright hours of the day, but let them have the sun during early morning and late afternoon hours. In nine out of ten cases shading is overdone.

PREPARATION FOR EASTER

Give all the stock which is near ready or promising to finish up for Easter good care. All flowering hard-wooded plants such as roses, hydrangeas, azaleas, spiraeas, deutzias, plums, ericas, rhododendrons, genistas, flowering almonds, cherries, peaches and wistarias, even if kept in ever so cool a place, must be watered regularly and faithfully for one drying out at the roots is sure to result in the loss of some bloom. If you are not supplied with a good lot of made-up pans, pots, baskets and dishes of plants that sell well, such as geraniums, begonias, marguerites, pansies, primroses, English daisies, forgetmenots, and such bulbous stock as hyacinths, tulips and daffodils—there is time yet to make up into tasteful arrangement. If taken from flats or frames they can be made up eight to ten days before Easter and will be in good condition if proper judgment and attention are given. Where your stock is backward you can employ severe forcing in lilies, pot grown roses, azaleas, hydrangeas, etc. It is more expedient to have them in bloom five or six days before Easter, as they can then have a cool treatment of about 48 to 50 degrees, which will harden them up so they will give more satisfaction to the buyer. There are still two good weeks in which to replenish any deficiencies in plants, baskets, boxes, pans, pot covers, ribbons, etc., by buying through the many growers and supply houses, that advertise in HORTICULTURE.

John J. M. Farrell

South Norwalk, Conn.

Mr. Farrell's next notes will be on the following: Amaryllis; Hardy Roses; Hardy Stock for late Spring Sales; Salvias; Shading; Verbenas.

Fruits and Vegetables Under Glass

MUSCAT VINES

As we have advocated before, Muscat vines require special treatment as compared with other vines, therefore a house should be devoted to them alone, if they are to attain perfection. Muscats enjoy a higher temperature while growing, especially so while in flower. A temperature of 65 to 70 by night is sufficient for most vines while in flower, but Muscats require 70 to 75 degrees, never below 70. Muscats, as a rule, being shy setters every care should be taken to assist them. Thus it is not advisable to include them in an early house. Mid-season and even late houses suit them much better. This enables a grower to get more assistance from nature in the form of sunshine and air, both great factors, for without either the chances of a good set on Muscats are slim. If possible the same brush should be used on Muscats as has been used on other free-setting varieties. This will carry grains of pollen from the latter on to the former and will answer the same purpose as their own pollen, which oftentimes is scarce and is the chief cause of a shy set. Some go so far as to plant a rod of Hamburgh or Gros Colman in the same house, from which to obtain pollen at time of setting. Muscat of Alexandria can be classed as a late grape and grown as such, its keeping properties being good. Do not over-crop at any time or shanking will result and eventually ruin the vine.

PACKING STRAWBERRIES

After spending so much time and trouble to obtain home-grown strawberries they cannot be packed by the quart and shipped off to chance the knocks and bruises which they will be sure to get before reaching their destination. Each berry being perfect when gathered special care is needed to place them on the table in the same condition. Wooden boxes made to fit packing trunks or other strong receptacles should be made deep enough to carry one layer of berries when packed. Each berry should first be wrapped in a piece of waxed paper and then in cotton wool, filling up any loose spaces that may be left with wool so as to pack the whole firm but not hard. Berries should then turn out little worse for their journey. For shipping the fruit should be gathered on the hard side—i. e., before they are quite ripe.

APPLES AND PEARS

Trees which have set their fruit will require a night temperature of 50. Any which have failed to set should be removed and more room given to those remaining. It is not advisable to be in a hurry to thin the fruit as sometimes a quantity will drop themselves, being imperfectly fertilized (this is especially so with pears), but where a cluster is on one spur they can be gradually reduced to three or four. When reaching the final thinning, later on, one fruit to a spur is sufficient.

Plums and cherries will usually thin themselves down to what they are able to carry. Should an over-abundance be left after stoning is completed some can be removed before the second swelling commences. Any superfluous growth bud can be gradually removed. Syringe thoroughly morning and again in afternoon. Keep a sharp lookout for fly, which is sure to make its appearance.

LATE PEACHES AND NECTARINES

Trees which are intended to be kept back as late as possible will now be coming into flower, despite all efforts to retard them any longer. A night temperature of 40 to 45 degrees by artificial means will suit them and houses can still be opened up through the day, keeping both flowers and growths hardy, but avoid cold draughts. It will not be necessary to go over each flower and fertilize it if the weather is good. Give the trellis a few sharp knocks which will jar the flower sufficiently to distribute the pollen.

KITCHEN GARDEN

Work in the kitchen garden will now be coming along at a brisk rate. Endless rubbish will need clearing off—prunings, mulchings, etc. Condition of the soil must determine the advisability of working it. Sandy and well-drained soil will be in a fit condition sooner than heavy land. It is a mistake to try to work land before it is dry enough. The mere fact of walking on it packs it down so hard that no air can possibly get to the roots of growing stock later. A sheltered position can be selected and made ready for a first sowing of peas and planting of potatoes. As asparagus shows signs of moving, a light dressing of salt will be beneficial. It will not be advisable to risk any greenhouse-raised stock for a few weeks yet, without making provision for protecting it from late frosts.

George H. Benson

Somerville, N. J.

Spring

'Tis like the birthday of the world
When Earth was born in bloom;
The light is made of many dyes,
The air is all perfume.

There's crimson hues, and white and blue,
The very rainbow showers;
Have turned to blossoms where they fell,
And sown the Earth with flowers.

—Hood.

¶ When you read Horticulture don't skip the advertising pages. A paper such as this would be impossible were it not for the advertisers. If you are friendly to Horticulture we ask you to patronize those who make it possible.

HORTICULTURE

VOL. XIII

MARCH 25, 1911

NO. 12

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.**11 Hamilton Place, Boston, Mass.**

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.**SUBSCRIPTION PRICE**

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (12 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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A Memorable Occasion

The great event to which the horticultural world had been eagerly looking forward for months is at last a reality and Boston bound trains from north, south and west are bringing visitors by hundreds, all imbued with the same purpose to see and participate in the most ambitious project ever carried through in American horticulture. A hearty welcome awaits the visitors, in which HORTICULTURE fervently joins. With the liveliest interest we have watched the preparations for the big show from their beginnings as they took form and were gradually perfected from day to day; followed the sentiment and interest as it has developed at home and abroad; shared alike in the hopes and in the doubts as to the final outcome of a scheme so colos-

sal; exulted as we saw the whole-hearted way in which the right men stepped up in the right time and place for the right work—and now that the structure is practically completed and ready to be opened to the gaze of the world we can all look back with pardonable pride over the harmonious and resolute manner in which one difficulty after another has been surmounted and the many-sided enterprise brought to completion. The influx of floricultural visitors to Boston promises to be unprecedented in numbers. We feel confident that they have made no mistake in undertaking the pilgrimage but will find full compensating value for it all in the inspiring spectacle which this day opens its doors to the flower grower and the flower lover. And—the bigger the crowd the happier the Boston bunch.

BOSTON.

We are satisfied that the particular interest which the readers of these lines feel towards Boston just now is horticultural in sentiment rather than statistical. The guide books and other regular sources of local information will supply all that the average visitor may desire to know as to landmarks, antiquities, historical spots, public buildings, industries, etc., etc., and so we do not feel called upon to devote any space to these matters in introducing our floricultural friends to the New England metropolis, which, for the time being,



CHARLES W. PARKER,
President Massachusetts Horticultural Society.

occupies so prominent a place in American horticulture. Suffice it to say that the real Boston, or "Greater Boston," as generally understood, is an aggregation of some forty cities and towns with a population according to the last census of 1,423,429, and of which municipal Boston, with a population of 670,585, is the business centre. So it will be recognized from these figures that the

Metropolitan District, embracing an area geographically comparable to that occupied by New York, Chicago or Philadelphia, follows these three municipalities as the fourth in population among American cities. Boston's preeminence in literature, art, music and education generally, needs no argument here.

As regards the horticultural position of Boston, however, we should say a few words. Among the foremost institutions located here is the Massachusetts Horticultural Society, an organization which for over eighty

years has exercised a tremendous and far-reaching influence for the advancement of horticultural knowledge and the encouragement of rural life. Mt. Auburn, the first lawn cemetery, was instituted under the auspices of this society. Through its agency many zealous and liberal patrons of horticulture have worked and extended their benefactions.

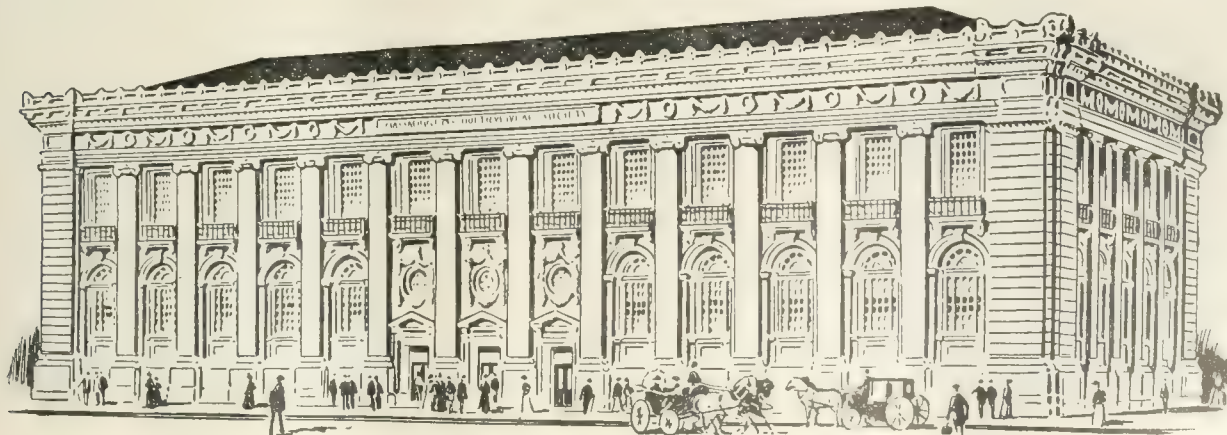
The history of this organization is in a large degree the history of the progress of horticulture on the American Continent. Encouragement of the most substantial character has been

given the florist and gardener interests from the earliest days of the Society. For over seventy years it has been holding floral exhibitions—for a considerable portion of the time, weekly. At the dahlia show in 1840, 3000 blooms were displayed. Its first rose show was in 1849, but three years before it had awarded a gold medal to Samuel Feast, of Baltimore, Md., for meritorious



WILLIAM P. RICH,
Secretary Massachusetts Horticultural Society.

work in rose crossing. The first Horticultural Hall was erected in 1845. Since that time the Society has made several moves, each time making a substantial gain in property value, which together with its income from various donations and its interest in Mt. Auburn Cemetery, has made it the wealthiest horticultural society in America, if not in the world. Notwithstanding the fact that it has distributed many thousands of dollars yearly among exhibitors and has at all times been ready to extend the use of its halls and other



HORTICULTURAL HALL, BOSTON

courtesies in the most liberal manner to any and all allied organizations, local or visiting in Boston. Among the latter the Mass. Horticultural Society has entertained the Society of American Florists, American Carnation Society twice, American Rose Society twice, American Pomological Society several times and other minor organizations frequently.

Horticultural Hall is located at the corner of Huntington and Massachusetts avenues, a short distance from Mechanics' Building, where the National Flower Show is held, and visitors should call on the secretary, W. P. Rich, and inspect the magnificent library under his charge—reputed to be one of the finest in the world.

The Arnold Arboretum stands among the most notable and interesting of Boston's institutions. This reservation comprises 223 acres. W. J. Bean, of the Royal Gardens, Kew, England, has published a very interesting pamphlet of observations on a recent visit to the Arnold Arboretum in which he speaks in highest terms of Professor C. S. Sargent's qualities as Director of the institution, his scientific attainments, his perception of landscape beauty, his business faculty and his generous devotion to the upbuilding and development of this rich arboreal collection.

Of Jackson Dawson, superintendent of the Arnold Arboretum, Mr. Bean says:

Mr. Dawson has, like Professor Sargent, seen, and helped in, the development of the Arboretum since its inception, and in regard to the outdoor department he has in a great measure played the part of builder to that of the Professor's architect. Trees now 60 feet high, he himself raised from seed, or collected as seedlings in the forests. Gifted with that peculiar under-



PROFESSOR CHARLES SPRAGUE SARGENT.
Director of the Arnold Arboretum.

standing of plant life which enables its possessor to divine by intuition the treatment best suited to his charges and the happiest devices for increasing their number, Mr. Dawson has done much by his genius as a propagator towards making the collections so rich as they now are. He was about the first to recognize the value of *Rosa multiflora* and *R. Wichuraiana* for hybridising, and such fine roses as The Dawson, Lady Duncan, William C. Egan and Arnoldiana are the products of his skill.

As indicating briefly what the Arnold Arbore-

tum is doing in a practical way, we quote again from Mr. Bean:

The Arnold Arboretum is filling a very important part in the advancement of arboriculture in North America and Europe. Being in one respect part of the park system of Boston, it provides a very beautiful place of resort for the people of that city. It provides also many lessons in landscape art, for there is evidence that every aspect of the grounds has been the subject of careful study in that respect. While the scientific side of the establishment necessarily dominates all others, the natural beauties of the site have not only been preserved but greatly enhanced.

Considered from the practical side, as apart from pure botany, perhaps the most notable work it has done has been the popularisation and dissemination of American trees and shrubs. Before its foundation, American gardens appear to have mainly depended for their ornamentation on plants of European origin. As an instance, I was told that 30 to 40 years ago one could not have purchased one hundred American oaks in American nurseries. The flora of the east United States has given an extraordinary number of beautiful trees and shrubs to English gardens, and in the latter half of the 18th century and the beginning of the 19th their introduction and cultivation was the chief interest of the most ardent horticulturists of the period. Many of the shrubs then introduced disappeared in course of time, and the Arnold Arboretum has done much good work in re-introducing them. Such shrubs as *Laccinium hirsutum*, *Rhododendron arborescens*, *Gaylus-*



JACKSON DAWSON,
Superintendent Arnold Arboretum.



E. H. WILSON,
Noted Chinese Traveler and Collector.

sacia brachycera, *Kalmia cuneata* and *Fothergilla major* are a sample of the many delightful plants which have in this way been restored to us. Many quite new species have also been introduced to cultivation, whilst others, long known but rare, have been made more plentiful.

Among the portraits presented herewith is that of E. H. Wilson, the indefatigable Chinese explorer and collector, who has contributed so much to the wealth of new introductions at the Arnold Arboretum. As most of our readers are aware Mr. Wilson is now on his way home from China, slowly recovering from the sad accident which befell him in his mountain climbing, never again to return to the work to which he had dedicated his life. It is the hope of a host of friends in Boston that circumstances may permit of his making a perma-

taining to the welfare of the trade or the elevation of the craft requires attention. Its membership now numbers well up towards five hundred. The present officers are Peter M. Miller, president; Thos. Pegler, vice-president; Peter Fisher, treasurer; W. N. Craig, secretary; J. P. A. Guérineau, Robt. Cameron, William Downs, W. J. Kennedy, Executive Committee. The local committee representing the Club in connection with the National Flower Show are well selected and will be found at their respective posts of duty during the week of the show.

Boston's park system has few equals. Three distinct departments are recognized—the Common and Public



KALMIA LATIFOLIA IN THE ARNOLD ARBORETUM.

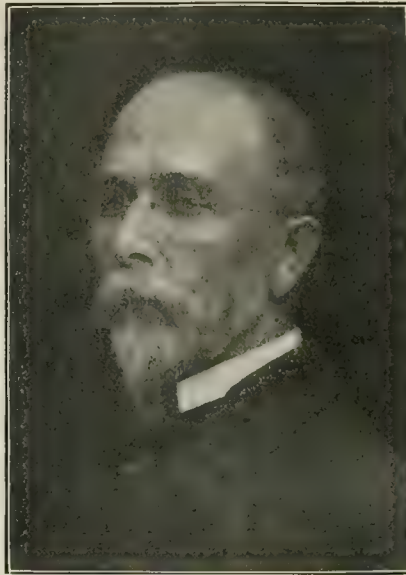
nent home among us, adding one more to the list of illustrious horticulturists who have brought distinction and renown to Boston far excelling anything which mere census figures can disclose.

Among the most efficient agencies for bringing together in social and business relations and for mutual advantage, the gardeners, florists, seedsmen and nurserymen of Boston, the Gardeners' and Florists' Club of Boston, has a proud record. It was organized in the wholesale flower store of Wm. J. Stewart, now editor of HORTICULTURE, on November 27, 1886, consequently is within a few months of its silver jubilee. The Club has always been well to the front when anything apper-

Squares, which are under the care of a superintendent appointed at City Hall; the Boston Park system, which comprises 1922 acres of park and playground within the city limits and in charge of that most efficient and successful of all park officials in this country, Mr. J. A. Pettigrew; and finally, the Metropolitan Park system with a total area of 10,053.70 acres of highland and lowland, forest, lake, river and seashore, which is under the control of a state commission. One-half of the cost of construction and maintenance of the latter is assessed by apportionment among the several cities and towns comprising the park district.

The flower industry of Boston is and always has been

in a flourishing condition. It supports three large wholesale houses, two prosperous flower markets and some very fine retail flower stores. The nursery and seed trade of Boston are also noted for the high quality of their products, which find in the hundreds of beautiful estates which fringe the seacoast from Greenwich, Conn., to Bar Harbor, Me., and all through the mountain and lake regions of this picturesque section of our country appreciative and discriminating buyers who insist upon quality first and price afterwards. Visitors to the National Flower Show will see in the exhibits of all these interests, which will fill every part of the vast Mechanics' Hall, an impressive display of what the florists, seedsmen and nurserymen of Boston and vicinity are capable of producing, as well as the choicest things from famous growers



JOHN A. PETTIGREW,
Superintendent Boston Park System.

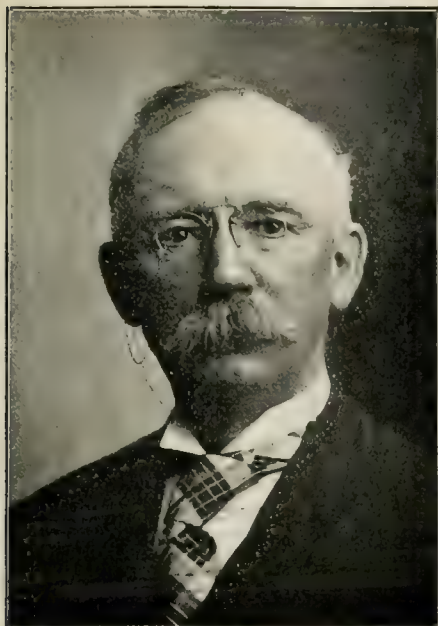
in other and remote localities. It will be an object lesson of no small educational value and, in many of its features, will mark the beginning of a new epoch in American horticulture.

And, in conclusion, let us remind the visitors in attendance on the great exhibition that the entire section of Boston in which are located Mechanics' Building, Horticultural Hall, Art Museum, Opera House, Symphony Hall, Institute of Technology, Public Library, the splendid hotels in which most of the visitors will be housed and many other notable public and private buildings, is "made land," reclaimed from the bog and water of the "back bay" and filled in to become one of the most renowned and ex-

clusive residential section in America.



THE CENTRAL MEADOW, FRANKLIN PARK.
Boston Park System.



WILLIAM J. STEWART



F. R. PIERSON
Chairman



FRANK H. TRAENDLY



PATRICK WELCH

Members of
National Flower Show
Committee
and
Board of Control



J. K. M. L. FARQUHAR



E. ALLAN PEIRCE



ROBERT CRAIG



THOMAS ROLAND

NATIONAL FLOWER SHOW

An Auspicious Opening — Program of the Society Meetings, etc.

As we go to press Mechanics' Building is being turned into a bower of beauty and on Saturday evening, March 25th, the great event will be in full swing. The meetings of the Society of American Florists and Ornamental Horticulturists, American Rose, American Carnation, American Gladiolus and Sweet Pea Societies will get under way early in the coming week, and all indications point to a record influx of trade visitors from far and near.



JAMES WHEELER
Superintendent of Exhibition.

and double the usual admission will be charged.

We repeat, for the benefit of those who receive this paper before starting for Boston, that there are excellent hotel accommodations in the immediate vicinity of the exhibition hall, and that those who desire to locate near the Show should leave trains at Back Bay Station, if on the N. Y., N. H. & H. R. R., or at Huntington Ave. Station if on the N. Y. Central, these being practically the same station but under different names. Do not get carried through to the Terminal Station which is nearly two miles distant from Mechanics' Building. Either of the hotels advertising in this paper will be found first-class and reasonable.



W. N. CRAIG
Chairman of Examining Committee.

The offices of the secretaries are in Mechanics' Building.

Office of the National Flower Show Committee is in Mechanics' Building. Chester I. Campbell, manager of the show, is in charge. All business connected with the Flower Show should be presented there.

New Members. Those desiring to become members of any of the societies should apply at the office of the respective secretaries.

Paying Dues. Dues may be paid and orders for members' tickets obtained at the office of the respective secretaries.



CHESTER I. CAMPBELL
General Manager National Flower Show.

We understand that the entire floor area at the disposal of the Trade Exhibit, which is to be an important adjunct of the main exhibition, has been taken, yielding a revenue towards the expense account far beyond the most sanguine hopes of its promoters.

Governor Foss, Mayor Fitzgerald and Hon. S. W. McCall have been especially invited to take part in the opening exercises on Saturday, at 8 o'clock in the evening. On Sunday the show will be open from 1 p. m. until 10 in the evening, but not for trading purposes, and between the hours of one and three on that day all children who are accompanied by their elders will be admitted free. Fifty members of the Gardeners' and Florists' Club of Boston, have volunteered to be present and act as escorts to the children. Friday, March 31, will be known as "Society Day,"

The following list of events in connection with the Show and Meetings was published last week, but is here repeated as a reminder. It is understood that the Ladies' S. A. F. will attend Boston Theatre on Wednesday afternoon, where several hundred seats have been reserved for them, and there are other interesting things on the program for the ladies, including an auto ride to historical spots, etc.

The office of HORTICULTURE, at 11 Hamilton Place, in the centre of the shopping district and directly opposite Park Street Church, will be at the disposal of visitors needing to use telephone or other conveniences, and we hope many will honor us with a social call. During the continuance of the Show, HORTICULTURE will have a space in the main exhibition hall with someone constantly in attendance to receive subscriptions or advertising and to supply information generally.

GIVE US A CALL.

Railway Certificates. Railway certificates should be deposited with the Secretary of the S. A. F. & O. H. immediately upon arrival at Mechanics Building. The fee of 25 cents must be paid when certificate is deposited. Certificates will be signed by the agent from 9 a. m. to 6 p. m. on March 27, 28 and 29. No certificate will be signed before or after these dates. Certificates must be called for before 11 a. m. on March 31st.

Members' Tickets. Orders for members' tickets must be presented to the committee in charge of admission and exchanged for regular tickets. All orders and tickets in hands other than the owners will be taken up and cancelled.

Register. All members of the S. A. F. & O. H. and affiliated societies should register with the secretary of the S. A. F. & O. H., so that a record may be kept of the attendance, and so that members may be located when asked for.

MONDAY, MARCH 27.**Opening Session.****S. A. F. & O. H.**

10:30 A. M. General meeting for the opening of the Convention. Welcome by President Asmus. Welcome by Boston florists.

Afternoon Session.**American Rose Society.**

2:30 P. M. Call to order by President W. H. Elliott. Address by President. Secretary's report. Treasurer's report. Reports of Committees.

Evening Session.**American Rose Society.**

8:00 P. M. Paper, August Poehlmann, Morton Grove, Ill. Paper, "The Science of Rose Growing," W. R. Pier-son, Cromwell, Conn.

TUESDAY, MARCH 28.**Morning Session.****American Rose Society.**

10:30 A. M. Selection of place of meeting, 1912. Election of officers. Discussion on new roses to be opened by prominent rosarians. Miscellaneous business.

Afternoon Session.**American Rose Society.**

2:30 P. M. Papers by: Richard Vincent, Jr., White Marsh, Md., upon his trip to Brussels Exhibition; Rev. Spencer S. Sulliger, Vancouver, Wash., special representative at the National Rose Exhibition held in London, England. Address by W. G. MacKendrick, Toronto, Can. Unfinished business.

National Sweet Pea Society.

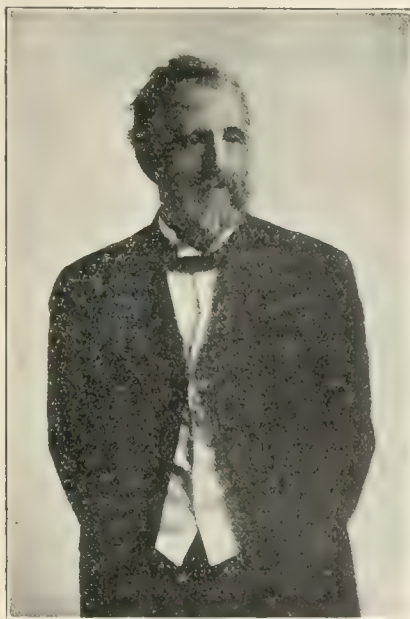
2:00 P. M. Meeting of Executive Committee.



GEORGE ASMUS.
President Society of American Florists and Ornamental Horticulturists.

Evening Session.**American Carnation Society.**

7:30 P. M. Call to order. President's address. Secretary's report. Treasurer's report. Report of Nomenclature Committee. Miscellaneous business. Invitations for 1912 meeting. Nomination of officers. Short talks on the American carnation in Europe by visitors from abroad. Report of judges.



R. VINCENT JR.
Vice-President Society of American Florists

WEDNESDAY,

MARCH, 29.

Morning Session.**Chrysanthemum Society of America.**

10.00 A. M. Call to order. Discussion of questions of day. Miscellaneous business.

Florists' Telegraph Delivery.

10.00 A. M. Business meeting.

Afternoon Session.**National Sweet Pea Society.**

3.00 P. M. Welcome by George Asmus, president S. A. F. & O. H. President's address and reply. "Trials of Sweet Peas Under Glass as Tested in the Experiment Station at Cornell University," Prof. A. C. Beal. "Sweet Peas and the Results of Our Experiments at the Trial Grounds," Prof. Craig. "The Growing of Sweet Peas Under Glass," Mr. Wm. Sim. "The Latest Novelties in Sweet Peas," G. W. Kerr. Invitations by cities and societies for meeting place for the exhibition and convention next summer.

Florists' Telegraph Delivery.

2:30 P. M. Business meeting.

Evening Session.**American Carnation Society.**

8:00 P. M. Call to order. Deferred reports. Deferred business. Selection of meeting place for 1912. Discussion of president's address and secretary's report. New business. Appointment of committees. Election of officers.

N. B. The above is the program for Wednesday evening as supplied to us by Secretaries Dörner and Baur,



WILLIAM F. KASTING
Treasurer Society of American Florists.



H. B. DÖRNER.
Secretary Society of American Florists.



BENJAMIN HAMMOND
Secretary American Rose Society.

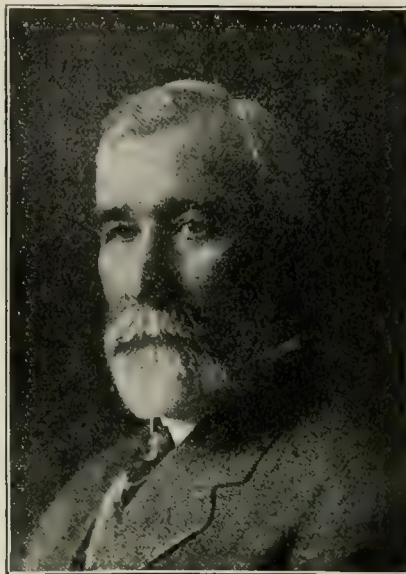


Photo by Champlain & Farrar
WILLIAM H. ELLIOTT
President American Rose Society.



HARRY O. MAY
Treasurer American Rose Society.

but the Gardeners' and Florists' Club of Boston had already selected that evening for the entertainment of the visitors at an informal reception, lunch and dance, and the preparations have gone so far in the way of printing tickets, caterer, etc., that to change it is impossible at so late a date. Probably a way out of the awkward situation will be fixed as soon as the American Carnation Society meets.—Ed.

THURSDAY, MARCH 30.

Morning Session.

American Carnation Society.

9:30 A. M. Call to order. Final report of judges. Deferred business. Adjournment.

Notice—The secretary will leave for Boston on Sunday, March 26th. All mail which would not reach him by Saturday, March 25th, should be addressed to him at the Hotel Lenox,



ELMER D. SMITH
President Chrysanthemum Society of America.

Boston, which will be A. C. S. headquarters.

Afternoon Session.

American Gladiolus Society.

2:00 P. M. Reading of minutes of last meeting. Reports of officers, bulletin committee, exhibition committee, Boston show, Baltimore show, committee on nomenclature, exhibition committee on rules governing the awarding of "certificates of merit," and suggesting a "scale of points" to use in judging. New business. Discussion: "What action shall our Society take when the same name has been given to several different varieties of gladioli and when different names have been given to the same variety?" Opened by A. Cowee, Berlin, N. Y.

FRIDAY, MARCH 31.

Morning Session.

S. A. F. & O. H.

9:00 A. M. President's address. Report of the secretary. Report of the treasurer. Preliminary report of National Flower Show committee. Miscellaneous business.

Afternoon Session.

S. A. F. & O. H.

2:00 P. M. 10-minute talks by presidents of various societies: George Asmus, president, S. A. F. & O. H.; Fred Burki, president, A. C. S.; W. H. Elliott, president, A. R. S.; Elmer D. Smith, president, C. S. A.; W. Atlee Burpee, president, N. S. P. A.; I. S. Hendrickson, president, A. G. S.; J. A. Valentine, president, F. T. D.; William Kleinheinz, president, N. S. G.

Evening Session.

S. A. F. & O. H.

8:00 P. M. Illustrated lecture, "Trees, Shrubs and Flowering Plants," John Dunbar, Asst. Supt. of Parks, Rochester, N. Y.

SATURDAY, APRIL 1.

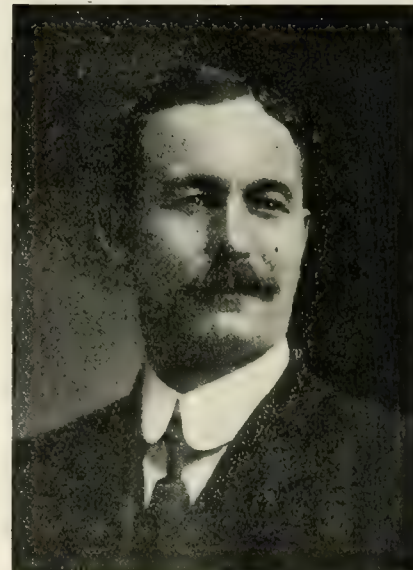
Morning Session.

S. A. F. & O. H.

9:00 A. M. Unfinished business. Adjournment.



A. FARENWALD
Vice-President American Rose Society.



EBER HOLMES
Superintendent of American Rose Society's Exhibits.



FRED BURKI
President American Carnation Society.



F. E. DORNER
Treasurer American Carnation Society.



A. F. J. BAUR
Secretary American Carnation Society.



W. ATLEE BURPEE
President National Sweet Pea Society.



H. A. BUNYARD
Secretary National Sweet Pea Society.



WILLIAM SIM
Vice-President National Sweet Pea Society.



ISAAC S. HENDRICKSON
President American Gladiolus Society.



A. T. BODDINGTON
Treasurer National Sweet Pea Society.



L. MERTON GAGE
Secretary American Gladiolus Society.

Officers of the Gardeners' and Florists' Club of Boston



PETER FISHER
Treasurer



PETER M. MILLER
President



THOMAS PEGLER
Vice-President

SOCIETY OF AMERICAN FLORISTS

By order of the President, notice is hereby given that the mid-lent meeting of the Executive Board of the Society of American Florists and Ornamental Horticulturists will be held at Boston, Mass., from March 25th until April 3rd with an adjourned meeting to be held at Baltimore on April 4th. Meetings are called at Boston for 9 A. M. each morning from March 25th to April 3rd inclusive. The meeting at Baltimore is called for 10 A. M. on April 4th and will remain in session until all business is disposed of.

H. B. DORNER,
Secretary S. A. F.

AMERICAN ROSE SOCIETY.

New Roses on Exhibition at Boston.

Brant-Hentz Flower Co. registers for exhibit a new rose, "Madison," and they say: "This new rose is a cross between Bride, Pearl and Meteor, has foliage resembling the holly, flowers white, resembling Bride, large buds; the plants will bloom five flowers to the Bride's three. There is very little blind wood and cuts continually throughout the whole year."

E. G. Hill Co. will show his new Rose, "Sunburst." Stockton & Howe bring out one called "Princeton." S. J. Reuter & Son bring out two new Roses, "Double Improved White Killarney," is pure white sport from the Waban strain of White Killarney. Bud double the size of the ordinary White Killarney, a larger plant with heavy deep-colored foliage. "Cerise Pink Killarney," is deep pink sport from Killarney, having a velvety sheen and beautiful shading and a heavier bud.

The foregoing new roses are entered for the American Rose Society's gold medal as are also the following: Melody and Double Killarney from Robert Scott & Son, Sport from Chatenay from Exeter Rose Conservatories, Sport from Killarney from F. R. Pierson Co.,

and three crackerjacks from A. N. Pierson.

Gude Bros. will show H. P. roses in pots and M. H. Walsh will make the most magnificent show of Ramblers ever put up, including several new introductions. In the cut flower classes there are as many as forty entries in some cases. Myer & Samtman will send 100 Hilda specials.

The Rose represents 60 per cent. of the value of commercial flowers raised in the United States, and there is nowhere in the world where flowers grow but what the rose stands out with unquestioned prominence. The development of outside roses is apparent to anyone who travels over this country today and the nurseryman and plant growers have a chance to show what they can do on the second division of

this exhibition, which is given up entirely to pot roses.

Meetings at Boston.

Provision has been made for three meetings. The first is to be a general report meeting and it is expected that two able papers of great interest to all growers of roses will be presented. The second meeting will be the general business meeting for election of officers and choice of location for next meeting, and the third meeting is devoted to the report of Dr. S. S. Suliger concerning the National Rose Show of England. Richard Vincent, Jr., of Whitmarsh, Md., who went to Brussels, will report on his trip, and W. G. MacKendrick of Toronto, Can., will prepare a paper. These three meetings are hoped to be of popular interest.

The State Florist's Association of Indiana a year ago made application to the Rose Society that it go there in 1912, and an official invitation to meet in the city of Indianapolis in 1912 has been received.

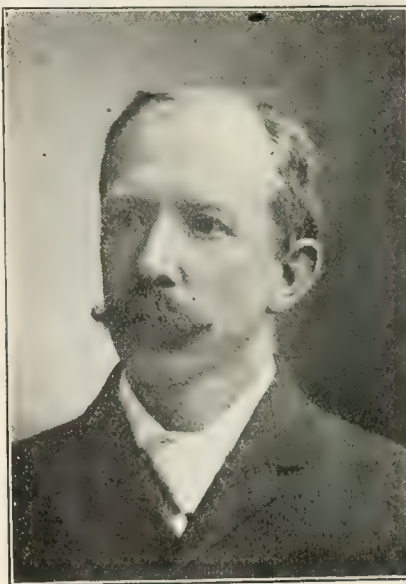
BENJAMIN HAMMOND.

LADIES' SOCIETY OF AMERICAN FLORISTS.

F. R. Pierson, chairman, National Flower Show, has requested the Secretary of the Ladies' Society to issue an order for members' season tickets to all who have paid their dues for 1911. Members will find the Secretary at Exhibition Hall ready to receive dues and issue orders. Be sure to bring your order, as no duplicate will be issued. Please wear your badge pin.

MRS. J. V. PHILLIPS, Pres.
MRS. CHAS. H. MAYNARD, Sec'y.

We are informed that the Association of Gardeners will have their meeting at Boston on Wednesday P. M., March 29, same to be followed by a dinner at which Chas H. Totty will be toastmaster.



ROBERT CAMERON
Member of Examining Committee, National Flower Show.

CLUBS AND SOCIETIES

HORTICULTURAL SOCIETY OF
NEW YORK.

The second monthly exhibition was held, in conjunction with the meeting, at the American Museum of Natural History on Wednesday, March 8. The initial monthly exhibition in February was very encouraging, but the present one was much more so, being large and better attended. Cyclamens and carnations held the center of the stage, but there were many other exhibits, among which were orchids, bulbous stuff, and cut flowers. The display of cyclamens was superb, and the competition in the carnations was very keen. Below will be found a list of the premiums awarded.

The next exhibition will take place at the same place on Wednesday, April 12, and will be devoted primarily to the plants and flowers which are associated with Easter. The schedules will soon be ready for distribution, and will be sent, upon application to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

Premiums awarded March 8, 1911—

- Best vase of carnations, Winthrop Sargent, Frank E. Witney, gardener, silver medal.
3 vases of carnations, 3 kinds, 12 flowers of each, Mrs. Myron I. Borg, James Aitchison, gardener, first; J. J. Riker, Thos. W. Stobo, gardener, second.
12 scarlet carnations, Mrs. Myron I. Borg, first; Henry Goldman, Anton Bauer, gardener, second.
12 Winsor-shade carnations, Miss C. A. Bliss, J. T. Burns, gardener, first; J. J. Riker, second.
12 Enchantress-shade carnations, Mrs. Myron I. Borg, first; J. J. Riker, second.
12 crimson carnations, W. W. Heroy, A. Wynne, gardener, first; Miss C. A. Bliss, second.
12 Lawson-shade carnations, Henry Siegel, Thos. Aitchison, gardener, first; Henry Goldman, second.
12 white carnations, Adolph Lewisohn, John Canning, gardener, first; J. J. Riker, second.
50 blooms of carnations, arranged for effect, Henry Siegel, first.
10 plants of cyclamen, Mrs. F. A. Constable, James Stuart, gardener, first; Mrs. H. B. Gilbert, Robert Stobo, gardener, second.
5 plants of cyclamen, Henry Siegel, first.
1 plant of cyclamen, Henry Siegel, first; Mrs. F. A. Constable, second.
3 plants of cineraria, Chas. Mallory, Wm. J. Sealey, gardener, first; Adolph Lewisohn, second.
Group of orchids, F. V. Burton, Wm. Cordes, gardener, special prize, silver medal.
Sweet peas, stocks and daffodils, W. W. Heroy, special prize.
Plant of *Dendrobium thyrsiflorum*, Mrs. F. B. Van Vorst, A. Anderson, gardener, special prize.
Vase of *Antirrhinums*, R. Delafield, Wm. Brock, gardener, special prize.
Plant of *Cypripedium Iris*, J. A. Manda, special prize, silver medal.
Dish of mushrooms, Miss C. A. Bliss, special prize.
7 vases of sweet peas, A. C. Zvolanek, certificate of merit.
Fine variety of *Cattleya Schroederiae*, Lager & Hurrell, special prize, silver medal.
Vases of *hippeastrums*, *Primula Kewensis*, and carnation *May Day*, Mrs. F. A. Constable, special prize.
Seedling carnation, Wm. Eccles, Scott Bros., certificate of merit.

GEO. V. NASH, Sec'y.

NEWPORT HORTICULTURAL SO-
CIETY.

The meeting of this society, March 14, was well attended and full of interest, indicating success to the plan adopted at the beginning of the year to make meetings more attractive.

This plan provides handsome prizes at the end of the year to the three members having the highest number of points gained from helping the society in various ways, a specially prepared scale of points regulating the competition. The reading of a paper at each meeting is bringing out unexpected talent and doing much good. This evening the paper was on "Tuberous Begonias," by Paul Volquardsen, who had previously qualified for the task through the high-class exhibits he has from time to time placed before the society. In growing tuberous begonias outdoors, the speaker said, an ideal situation is where they will be shaded from the sun from about 10 A. M. to 2 P. M., but not under trees, as the drip from branches has a bad effect on them. They also succeed well in the full sun if watered thoroughly every day during dry weather. A rich soil is also necessary from the very start. A mulch of a suitable loose material is also good. Bulbs one year old are best for all round use, but seedlings make a fine display in late summer. Comparing them with geraniums they give a much more gorgeous effect and require shorter treatment under glass previous to planting out.

The exhibits at this meeting were extra good, including two orchid plants of the *Dendrobium Wardianum* types from Oscar Schultz, who was awarded a bronze medal for one and a first class certificate for the other. Fredrick Franco also exhibited a seedling *H. T. rose* plant of considerable promise, which was awarded honorable mention.

The paper at the next meeting will be on "Horticulture in the South," by Frank Jenkins.

GARDENERS' AND FLORISTS'
CLUB OF BOSTON.

The regular monthly meeting of this club on Tuesday evening, March 21, was a big one and much interest was manifested in the discussion of the preparations for club hospitalities to the National Flower Show visitors—matters which are hardly within the scope of a public report. Suffice it to say that the club will be on deck for anything concerning the comfort and pleasure of all strangers who show up. Fifty members volunteered to serve on Sunday afternoon as escorts to any children who may be present under the free admission privilege.

The question box, when opened, disclosed a query as to why so many forcing tulips had gone "blind" this season. Mr. Farquhar explained the phenomenon satisfactorily as being due to peaty soil as affected by a very wet growing season and the consequent harvesting of the bulbs in an immature condition. Bulbs from sandy districts, on the contrary, would under these conditions ripen normally and flower satisfactorily. Another question was in reference to the culture of gardenias, which, by the way was fully treated in last week's issue of HORTICULTURE. Mr. Finlayson replied briefly.

PITTSBURGH FLORISTS' AND
GARDENERS' CLUB.

"Rose night" brought out a good attendance on the evening of March 7th.

On Feb. 28th Mr. Vincent, of White Marsh, Md., had given a talk before the club on his trip through the Holland bulb fields, illustrated by lantern slides. The entertainment committee's report on this event, by Mr. Langhans was pleasantly received.

Mr. Cook, representing the Passenger Dept. of the New York Central lines was present, and presented the claims of his line for transportation to the Boston Flower Show. A transportation committee was named, composed of James Wiseman, T. P. Langhans and E. C. Reineman, and it was suggested they get in touch with the Penna. R. R., as many of the members desired to go to Boston via Philadelphia and New York.

A fine display of roses, carnations and flowering plants was staged. The judges—Wm. Falconer, Fred Burki, and H. L. Blind made awards as follows:

To E. G. Hill Co., certificate of merit for Carnation Bonfire, and a certificate of merit for Rose, Mrs. Aaron Ward. To E. W. Garland, Finleyville, Pa., a certificate of merit each for carnation seedling—one pink, one white. To Bertermann Bros. Co., cultural commendation for carnation, J. Whitcomb Riley. Geo. J. Learzaf, cultural commendation for vase of Carnations grown under the unfavorable conditions of the city. Randolph & McClements, first class certificate for *Jasminum primulinum*, and a certificate of merit for group of plants. W. A. Morten, certificate of merit for crimson-flowered *Primula obconica*. Walter James, cultural commendation for *Dendrobium nobile*. Frank Crook, *Primula obconica*, cultural commendation. Pittsburgh Cut Flower, for roses, certificate of merit. Phipps Conservatories, for Cinerarias, cultural certificate. Chas. H. Totty, Madison, N. J., for Carnation Wodenethe—an immense white,—a first class certificate, and for rose, Lady Hillingdon, a certificate of merit. Phipps Conservatories, for group of Hyacinths, Narcissus and Cinerarias, cultural commendation, and also for *Toxicophlaca spectabilis*, a South African evergreen shrub full of fragrant white blossoms.

In connection with roses Mr. Burki stated his belief that the use of blind wood for cuttings was responsible for the deterioration of Bride and Bridesmaid.

Mr. Neil McCallum showed colored plates of the newer daffodils, and Mr. Langhans spoke of a recent trip with Mr. Burki among the growers in the Chicago district, and of the vast differences observed, even in the large establishments, in the use of up-to-date and efficient methods.

The subject for the April meeting will be "Easter Flowers."

H. P. JOSLIN, Sec'y.

LENOX HORTICULTURAL
SOCIETY.

One of the most interesting and instructive meetings held by the society for some time was presided over by President Foulsham on Saturday, March 4th and was very largely attended, and the members were amply rewarded by hearing a practical paper on Mushroom Culture by W. Jack. The essayist dealt with the minutest detail from the preparing of the manure, making of beds, spawning,

temperatures, moisture, insects, and failures, attributing the latter in a degree to the dryness of the manure when the beds are made. A good discussion followed, most of the members taking part, and the essayist was accorded a hearty vote of thanks.

A. J. Loveless was awarded a certificate of merit for a fine vase of *Leptosyne maritima*. It is rather a pity that this beautiful annual is not more widely grown, as it somewhat resembles the marguerites having large lemon yellow flowers, borne on long stiff stems, fragrant, and very valuable as cut blooms, and can be successfully grown in a temperature of 50 degrees. George Breed was awarded a vote of thanks for a vase of roses—Gold of Ophir.

The schedules for the forthcoming shows were adopted as read. One new clause was voted,—namely: That none other than the Society's cards shall be used on exhibits. Exhibitions will be held as follows: Annual and Perennial, July 26th; Fall exhibitions Oct. 25th and 26th. The annual dinner of the society will be held at the Curtis Hotel, April 18th. The society is forging ahead, having elected thirteen active and three life members since the New Year. Quite a large delegation will attend the National Flower Show at Boston.

GEORGE H. INSTONE,
Secretary.

DAYTON FLORISTS' CLUB.

The third annual banquet and social session of the Dayton Florists' Club was held Wednesday night, March 1, in the Phillips House. The decorations were a combination of the wares and genius of the different florists and were said to be the best ever put up in the city. Horace M. Frank presided as toastmaster.

A business meeting was held on Monday evening, March 6, at Mrs. J. F. Young's store on East Fifth street, at which time the following officers for the ensuing year were elected:

President, F. R. Mittman; vice-president, A. E. Schmidt; secretary, Horace M. Frank; treasurer, George Bartholomew. A booster committee was appointed of which C. M. Schaefer is chairman, and a special entertainment committee was also appointed and arrangements made to hold a social meeting at the residence of Mr. and Mrs. J. F. Young, 105 Holt street, April 3.

An invitation from the Cleveland Florist Club was read, inviting the Dayton Florist Club to be their guests at the National Flower Show, which will be held in Boston, March 25.

NORTH SHORE HORTICULTURAL SOCIETY.

At the March 17 meeting of this society the members listened to a talk on "Bulb Growing in Holland," by P. J. Van Baarda. A description was given at length of the propagation, culture, digging, storing, drying, sorting and packing of Dutch bulbs. Bulb growing in other countries came up for discussion, and it being the 17th of March the fact was brought out that the "Emerald Isle" did something in narcissus, etc., as well as shamrocks. The speaker received a vote of thanks.

ROBERT A. MITCHELL.

NEW JERSEY FLORICULTURAL SOCIETY.

At the meeting on March 10 there was an unusually fine display. Joseph A. Manda had a fine display of rare orchids. Among his collection he had the new hybrid *Cypripedium Chamberlainianum*, first time exhibited, which captured a first-class certificate. Lager & Hurrell also had a nice display of orchids. Their *Renanthera Imshootiana* was awarded a first-class certificate. Thomas Jones also had a fine show of orchids.

A committee was appointed to draw up resolutions on the death of Louis Peiker of West Orange.

Peter Duff, gardener for Mrs. J. C. Brown, read a very instructive paper on "The Culture of Chrysanthemums." He said he keeps the stock plants in cold frames or pits during the winter, and commences propagating the early part of March and all through the month, and when rooted putting into 2½-inch or 3-inch pots, then into 4-inch. After the roots fill the latter they get their final shift to the benches, boxes and larger pots. The compost used for the first potting is lighter than for the final—four parts loam, one part well rotted horse manure and one part leaf mold and sand put through a sieve. For the final potting he makes up his compost in the fall with layers of sod and manure in proportions of four to one, with a sprinkling of lime, bone and soot. He uses the commercial fertilizers for feeding during the summer as the plants require it. He uses Nico-fume and Aphine to keep down aphids. In taking the bud, he says, with a few exceptions crowns must be taken to produce the large blooms seen at the exhibitions in the fall. For single-stem plants grown and flowered in 6-inch pots he propagates from May 1 to June 1, and in potting them he packs the soil good and hard in the pots to make the plants stocky. Standards and specimens are propagated much earlier in order to produce large plants, and should be pinched often to make them bushy, pinching to stop about the end of July. A few of the stronger shoots can be pinched a little later.

Awards were as follows:

Roses.—Thos. Edison, gard. Frank Drews, 90 points; S. M. and A. Colgate, gard. William Reid, 85 points; A. B. Jenkins, gard. Albert F. Larson, 80 points. American Beauties—Frank Drews, 70 points; Albert F. Larson, 65 points. Carnations—William Reid, 95 points; Albert F. Larson, 75 points; Frank Drews, 65 points. Orchids—William Reid, 90 points; Joseph A. Manda, 95 points; Lager & Hurrell, 93 points; Thomas Jones, 90 points. Carnations—Chas. Hathaway, gard. Max Schneider, 90 points. Stocks—Fritz Berglund, 85 points. Cultural certificates to Max Schneider, vase of narcissus and violets; Fritz Berglund, case of narcissus; Joseph A. Manda, orchids. Certificate of merit—Thos. Jones, *Dendrobium crassinode* and *Calanthe Regeneri*; Lager & Hurrell, orchids; Lager & Hurrell, *Lycastris crinita*; Frank Drews, vase of roses; Frank Drews, carnations.

WILLIAM REID, Sec'y.

PENNSYLVANIA HORTICULTURAL SOCIETY SPRING SHOW.

A very creditable display was opened on the 21st inst. and continued for three days at the annual Spring Exhibition of the Pennsylvania Horticultural Society. The quality and quantity of the exhibits were, we think, distinctly superior to the show of a year ago. The chief features were a

lavish showing of hyacinths, tulips, daffodils, and other bulbous stock, for the premiums so generously offered by the leading seedsmen of the city. These items showed, almost without exception, well-grown and well-developed plants from extra selected stock of the hundreds of varieties exhibited. Azaleas, lilies, callas, spireas, cinerarias, and other Easter subjects added largely to the interest of the show and were unusually well done. Around the front of the stage the Messrs. Dreer had a splendid group of foliage and flowering plants which were highly educational and much admired. The new holly fern (*Cyrtomium Rochfordi*) was the most noticeable gem of the collection. The new double white marguerite, Mrs. F. Sander, also came in for a good deal of favorable comment. It seems to us one of the best things we have seen in that line yet, and we have had several agreeable surprises in recent years. The lovely Dreer fancy caladiums were also well represented and the whole exhibit was given the finishing touch with a generous mingling of cocos and phoenix.

The principal prize winners were: William Kleinheinz, Joseph Hurley, William Robertson, Samuel Batchelor, John McCleary, John Gaynor, David Aiken, J. W. Geary, Thomas Long and John H. Dodds.

A feature of the show was a splendid vase of the new scarlet carnation Miss Dimple Widener, which was originated, grown, and exhibited by William Kleinheinz, and graced the middle stairway landing. This new-comer will be heard from yet.

Messrs. Michell, Waterer, Dreer, and others deserve great credit for the excellent showing made and their liberal donations to the prize list.

CONNECTICUT HORTICULTURAL SOCIETY.

Our first March meeting was held on the 10th instant, and brought out a splendid exhibition of cineraria plants by President Huss, mostly of the single hybrid kinds, but including a number of the stellata and cactus types. He also showed two blooming amaryllis plants. Certificates of merit were awarded for the single hybrids cactus and stellata and honorable mention for the amaryllis. An appropriate paper was presented by George B. Baker, of New Britain, who gave many useful facts concerning the history, propagation, and culture of the florists' cineraria, as well as the other and less common kinds. Considerable discussion ensued regarding seed germination of this plant. Some sow the seed on the surface, dampening the soil, and covering lightly with moss. Mr. Baker recommended sowing the seed about an eighth of an inch deep.

It was decided to hold the annual dahlia exhibition at Hartford on Sept. 19-20, and the chrysanthemum exhibition on Nov. 7-8.

Our next meeting on March 24th, will be Greenhouse Rose night; and we are hoping to be favored with an address by George A. Parker, superintendent of the city parks of Hartford, on the interesting topic of "The Improvement of Small Homes."

GEORGE W. SMITH,
Secretary.

ST. LOUIS FLORIST CLUB.

The meeting on last week Thursday afternoon was fairly well attended. Treasurer Smith could not be present owing to the fact that he was being married. He sent the members a fine box of cigars and in return they sent him a congratulatory telegram.

In front of the president's chair was a nice display of violets by H. Jeunemann, of Webster Park, who was exhibiting his new violets for inspection. The St. Clair Floral Co. also had a vase of well grown roses on exhibition.

A letter was read from Prof. Wm. Trelease, of Shaw's Garden, saying that young Fred W. Grossart, who was recommended by the club for a free scholarship, had been accepted. Mr. W. E. Ogle, of Belleville, Ill., was elected to membership. W. E. Guy, chairman of the trustees, made a report on how best to celebrate the club's 25th anniversary, June 28th. Chas. E. Schoenle and Geo. B. Windler were appointed to serve with the trustees and a full report will be heard at the next meeting.

Chas. E. Schoenle started a big discussion on his remarks that it was not right for any wholesaler to sell to department stores who have no regular floral departments. There was a long discussion between retailer, grower and wholesaler, and it was brought to a vote condemning the practice. This was all brought about by a certain wholesale house in Chicago quoting our department stores stock at wholesale prices. Mr. DeWever then started a discussion on regulating prices on plants which only interested the growers. More will be said about this at the next meeting.

NASSAU COUNTY HORTICULTURAL SOCIETY.

At the meeting of this Society at Glen Cove, N. Y., on March 8, Mr. Holloway, chairman of the Executive Committee, reported that the euchre and dance held in January was a great success financially and a very hearty vote of thanks was accorded Mr. Holloway and his colleagues. The judges of the exhibits—Messrs. Cliffe, James Elmslie and Geo. Gilder reported as follows:

First prize for cineraria stock and cyclamen to A. MacKenzie; mushrooms—certificate of culture to J. Everett; Bride roses—Hon. mention to J. Everett; cyclamen—Hon. mention to R. Marshall; violets—Hon. mention to Pierre Andevart; chickory—Hon. mention to Frank Petrocchia; sweet peas thanks to H. Gaut; gardenias—thanks to V. Cleres.

The silver cup presented by "Buds" of New York for the best collection of bulbs in flower was won by H. Matz. J. Everett gave a few interesting remarks on the growing of mushrooms. It was decided to accept the generous offer of 500 vases presented by Mrs. Bucknall. It was decided that the Society would hold no summer show this year. The Society's prize in April will be for calceolarias, 25 mixed carnations and sprays of outdoor flowering shrubs.

E. WESTLAKE,

Recording Secretary.

YONKERS HORTICULTURAL SOCIETY.

On Friday, March 17th, a regular meeting was held and largely attended. Various committees reported, notably the executive, in bringing forward a schedule of classes for the June show, which was adopted with a few amendments.

A prize given by W. Macdonald, brought out some fine exhibits, carnations of splendid quality from J. Canning, superintendent for A. Lewishon of Ardsley, receiving first prize R. Cochrane, superintendent of the Ewing estate was placed second, with blooms of very fine quality, and H. Scott, third, with My Maryland roses. E. Bennett, L. Milliot and G. Featherstone, acted as judges. The resignation of Lee Whitman, president, was read, and accepted with regret. The lure of the "Great Northwest" is responsible for Mr. Whitman's resignation, and he received a standing vote of thanks for his services, and innumerable good wishes for success.

After business, the evening was given over to sociability, songs, stories, and refreshments of high quality, all serving to make the evening a most pronounced success. H. M. B.



WALLACE R. PIERSON
Essayist at Meeting of American Rose Society.

A ZEALOUS OFFICIAL.

Wallace R. Pierson, vice-president of the S. A. F. for Connecticut, has mailed hundreds of copies of the following letter to all parts of his state and reports a number of responses already.

Office of the State Vice-President.

Dear Sir:—

The Society of American Florists are to have a convention in Boston March 25th to April 1st in connection with the National Flower Show. At the same time there will be meetings of the American Rose Society and The American Carnation Society, as well as meetings of other specialty societies. All these smaller societies owe in a large degree their existence to the inspiration of the Society of American Florists.

The coming National Flower Show is to be the greatest floral exhibition ever held in this country and perhaps in the world. We want all florists and gardeners to feel that a part of the show belongs to them.

Membership in the Society of American Florists is a most desirable qualification. Are you a member? If not, fill out the enclosed blank and enclose \$5.00 and become a member before the Boston Show. Don't wait until nearly time for the show, but do it now. The Society needs the members and as we realize the improved conditions in floriculture and horticulture today, for much of which the Society is responsible, should we not do our share by joining and carrying on the good work?

Send your application to

WALLACE R. PIERSON,
Cromwell, Conn.
Connecticut Vice-President

CHRYSANTHEMUM SOCIETY OF AMERICA.

The following special prizes have been offered for the annual exhibition of the Chrysanthemum Society of America in conjunction with the St. Louis Horticultural Society at St. Louis, Mo., November 7, 8, 9, 10, 11, 1911:

Chrysanthemum Society of America Prize—Best 10 blooms, any one variety, Silver Cup.

Jerome Jones Prizes 10 blooms Mrs. Jerome Jones, first \$15.00, second \$10.00 Prizes offered by Mr. Jerome Jones, Boston, Mass.

Elmer D. Smith Prizes—12 blooms in 12 varieties, introductions of 1910 and 1911, shown in separate vases, not less than 12-inch stems, first \$15.00, second \$10.00. Prizes offered by Elmer D. Smith & Co., Adrian, Mich.

William Wells Prizes—3 blooms Mrs. G. C. Kelley, first gold, second silver third bronze medals. Prizes offered by William Wells & Co., Merstham, Surrey, England.

William Wells Single Chrysanthemum Prizes—6 sprays of Miss Hilda Wells, first gold, second silver, third bronze medals. Prizes offered by William Wells & Co., Merstham, Surrey, England.

Charles H. Totty Prizes—6 blooms F. H. Nash, first \$15.00, second \$10.00 Prizes offered by Charles H. Totty, Madison, N. J.

Henry A. Dreer Prize—Best 6 blooms yellow seedling chrysanthemum of American origin, \$10.00. Prize offered by Henry A. Dreer, Inc., Philadelphia, Pa.

Philip J. Foley Prize 6 blooms white seedling of American origin, \$10.00. Prize offered by the Foley Manufacturing Co., Chicago, Ill.

J. C. Vaughan Prize—10 blooms pink seedling of American origin, silver cup. Prize offered by Vaughan's Seed Store, Chicago and New York.

Peter Henderson Prize—6 blooms crimson or bronze seedling of American origin, \$10.00. Prize offered by Peter Henderson & Co., New York.

Lord & Burnham Prize—10 blooms, any color chrysanthemum never before exhibited in this country; open to all. American or imported variety, gold medal or \$20.00 in cash. Prize offered by Lord & Burnham Co., Irvington-on-Hudson, N. Y.

Other firms have signified their intention of adding to this list. They will be published as soon as definitely arranged. In addition to these the regular premiums of the St. Louis Horticultural Society are offered for this show, the preliminary schedule of which will be ready in a short while and can be had upon application to the secretary, Otto G. Koenig, 6473 Florissant avenue, St. Louis, Mo.

The following additional special prizes are offered for the Chrysanthemum Society Show to be held in St. Louis next November: Offered by E. G. Hill Co., Richmond, Ind., for the best ten blooms chrysanthemum Emberta, \$10.00; for the best ten blooms chrysanthemum Wells' Late Pink, \$10.00; for the best ten blooms chrysanthemum Golden Gem, \$10.00.

C. W. JOHNSON, Sec.

BAR HARBOR HORTICULTURAL SOCIETY.

At the regular meeting of this society on March 16th Wm Miller, 2nd vice-president, occupied the chair. Rev. Samuel H. Jobe was the lecturer. Mr. Jobe gave a very interesting lecture on Florence, its Makers and Masters, illustrated with about 100 most beautiful lantern slides. At the close of the lecture a rising vote of thanks was extended.

March 2nd Chas. L. Shand gave a paper on "Gardening as a Profession, What it Offers of Pleasure and Profit to Young Men."

Wm. T. Burton, gardener for Mrs. John S. Kennedy, is to give a paper on some gardening subject at the meeting on April 6th.

DURING RECESS

New York Florists' Club.

The great social event of the season for the New York florists—the annual dinner of the club—took place last Saturday evening at Shanley's "Roman Banquet Room." There was a large gathering, numbering well up towards 300, ladies and gentlemen, and including many invited guests, among whom were the party of British horticulturalists who are now touring America, Mr. and Mrs. R. Vincent, Jr., of White-

so faithfully as chairman. He declared the Exhibition would do much to uplift horticulture in the United States and voiced a ringing tribute to Boston and her proud position in American horticulture.

J. S. Brunton, pilot of the British visitors, editor of the Horticultural Trade Journal of London, was next called upon and received a hearty ovation. Mr. Brunton expressed grateful appreciation of the attentions that had

ceptable songs by clever artists were interspersed between the speeches.

Adjourned about 2.30 A. M.

Chicago vs. Milwaukee.

The Chicago Florists' Bowling Club went to Milwaukee, Wis., Sunday, the 19th, and played the florists there. A royal welcome was given them and the Chicago boys are loud in their praises of their entertainers. They were dined at the Hotel Charlotte, lunched at the alleys and given an automobile ride round the city.

The game was a close one and the



BANQUET OF THE NEW YORK FLORISTS' CLUB.

marsh, Md., Chester I. Campbell, manager of the National Flower Show, W. P. Edgar, J. K. M. L. Farquhar and Mr. and Mrs. P. Welch, of Boston.

President John B. Nugent was in his happiest vein when, after the menu had been duly disposed of, he addressed the jovial assembly, extending a hearty welcome particularly to the guests from across the sea and introduced Patrick O'Mara to respond to the time-honored toast of "Our Night." Mr. O'Mara was witty and eloquent as ever—full of stories and most complimentary in his allusions to the distinguished horticulturists from abroad.

Ex-President F. R. Pierson spoke for the National Society and the Boston Show on which he has worked

been thrust upon his party from the moment of their arrival in America and of the cordial welcome extended on this occasion. He made a most favorable impression on his hearers by his apt and witty remarks and was vociferously declared to be "all right."

Chester I. Campbell, manager of the National Flower Show, was called upon next and he gave a terse account of the splendid progress being made and the inspiring outlook for this vast undertaking.

J. Austin Shaw then spoke in flowery language for "The Ladies." W. E. Wallace on behalf of the British visitors voiced in happy words their sincere appreciation of the hospitality enjoyed.

During the evening an orchestra rendered excellent music and some ac-

final count showed the Chicago teams winners by a small margin. A return game will be played in Chicago after Easter.

Cincinnati Bowlers.

The following were the scores bowled Monday, March 20:

Games		Games	
1st	2nd	1st	2nd
Critchell, 177	173	Witt'rst'tter, 125	161
A. S'nd'rbr'ch, 155	142	C. H'fm's't'r, 100	124
R. Murphy, 146	163	Westrich, 154	193
Heckman, 138	171	Horning, 152	160
O. H'fm's't'r, 107	146	Fritz, 143	148
E. Schuman, 193	169	W. Schuman, 134	114
C. Murphy, 144	170	W. S'nd'rbr'ch, 114	162

It is announced that the summer show usually held by the Royal Horticultural Society at Holland House Gardens, Kensington, London, will be transferred to Olympia. An unprecedented display, excelling any held at the Temple Gardens, where the space is limited, is anticipated.

CLUB AND SOCIETY NOTES.

The Bulletin of the American Association of Park Superintendents, just issued, contains a number of interesting and thoughtful communications from well-known park men on such topics as The Organization of a Park Commission; The Commission Plan of City Government as Applied to Parks; The Duties of a Park Superintendent; Park Music; Park Statistics, etc.

The regular monthly meeting of the Cincinnati Florists' Society was held in P. Olinger's salesroom, Monday, March 13th. Flower show matters were transacted. The preliminary schedule was mailed today. After the meeting lunch and refreshments were served by Mr. Olinger. A vote of thanks was tendered to Mr. Olinger for his kind hospitality.

At the Engelmann Botanical Club of St. Louis monthly meeting on March 13, H. W. Anderson read a paper on "Immunity from Disease in Plants. Secretary Pring announces that the check list of the local flora is ready for distribution and that the list comprises upwards of 3000 species of native plants together with their localities. Copies will be mailed to any address for 50 cents.

The following chairmen of special committees for the flower show which is to be given at Memorial Hall, Columbus, O., during the week of Nov. 13, were appointed Monday night, February 27, at a banquet of sixty members of the Columbus Florists' Association: G. C. Woodrow, finance; James Underwood, advertising; F. Bromwell, decorations. I. D. Seibert was appointed chairman of a committee to promote interest among florists outside of the city.

The preliminary list of the St. Louis Horticultural Society for their fall flower show has been mailed out and it is a very neat affair with good prizes. The Retail Florists' Association has offered \$50 in prizes to be competed for by their members; they will also have a large booth at the members' disposal to exhibit work not for competition. The St. Louis Florists' Club will also likely offer the same amount in prizes, the matter to come up at the April meeting of the club.

About seventy-five members of the Albany Florists' Club and their invited guests which included Prof. John A. Howe, James J. Karins of Philadelphia and Winfried Rolker of New York City, attended the annual banquet of the club which was held on February 25, in Donovan's hall on Western avenue. A short business meeting was held early in the evening and at 8.30 o'clock the large dining room was thrown open. President Fred A. Danker made a short speech in which he welcomed the guests and members and then turned the chair over to toastmaster John C. McAllister, who kept things moving every minute.

Grand Rapids, Mich.—The Grand Rapids Nursery Co., formerly located in the Ashton Bldg., has moved to Wenham Block, Monroe and Division streets.

WILLIAM ROBERTSON AND SOME OF HIS TROPHIES.

For twenty years this modest gardener has been showing us the difference between theory and practice. He is a born grower. Growers, like poets, are born—not made. No amount of education could have won all these first prizes, without the native gift. Like all geniuses, Mr. Robertson passes by the real things that count in life,



and prides himself only on things he can't do. The little square piece at base of picture represents the diamond medal, the championship bowling trophy at the Rochester convention, 1910. Mr. Robertson has been gardener for John W. Pepper at Jenkintown, Pa., from boyhood; has raised a family, owns property and, while the place is not the most elaborate in the vicinity, Mr. Pepper has the distinction of having a gardener who can make them all take his dust, however big their autos.

G. C. WATSON.

BAR HARBOR PERSONALS.

Wm. Miller of the Mt. Desert Nurseries is sending a large exhibit of his new fern, "Nephrolepis Milleri," to the National Flower Show. Mr. Miller has one large house devoted to the culture of this fern, which originated with him some years ago.

John H. Stafford of the Malvern greenhouses, who has been sick with the gripe, started on a visit to Philadelphia, returning to Boston on the 27th to attend the show.

Edward Kirk, gardener for Geo. W. Vanderbilt, has been confined to the house with a very severe attack of gripe. Also Mrs. Kirk has been very seriously ill for some time, but is now convalescent.

C. L. S.

NEWS NOTES.

Alton, Ill.—The greenhouses of the Joseph Krug Floral Co. will be thrown open to the public for the entire day on Thursday, April 6th.

Morrisville, Pa.—The Morrisville Nursery is having a closing-out sale of the ornamental nursery stock of the late Samuel C. Moon. Wm. H. McClosky, the former superintendent, is agent.

PERSONAL.

Julius Roehrs of Rutherford, N. J., sailed for a European visit on the Kaiserin Augusta, Thursday, March 16.

T. H. Shine, formerly decorator for the J. Van Lindley Nursery Co., Greensboro, N. C., has resigned his position.

C. J. Jones, manager of the Flower Store, Walnut Hills, Cincinnati, Ohio, and Miss Johnson, were married on March 15th.

H. Meyer, formerly at the Sheldon estate, Glen Cove, N. Y., has taken a position as superintendent for H. D. Davison, at Locust Valley, N. Y.

Frederick Moore, London (England), correspondent of HORTICULTURE, has moved to 23 A Kingwood Road, Munster Road, Fulham, London, S. W.

John White, a leading florist of Pittsfield, Mass., was married on March 20 to Miss Mary Grey, his bookkeeper. This is Mr. White's third marriage. He has been a widower for several years.

St. Louis visitors: E. J. Fancourt, representing S. S. Pennock-Meehan Co., Philadelphia; Charles S. Ford of A. Herrmann, New York.

Visitors in Boston:—Fred Lautenschlager, representing Kroeschell Co., Chicago; J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.

New York visitors:—E. F. Coe, representing D. M. Ferry & Co., Detroit, Mich.; J. S. Brunton, Burnley, Eng.; J. Brown, Stamford, Eng.; E. Barker, Manchester, Eng.; W. A. Cull, London; C. Engelmann, Saffron Walden, Eng.; J. S. Gunn, Birmingham, Eng.; L. M. Graves, Harlington, Eng.; G. Brickett, London; C. Pratley, London; S. South, London; J. Simpson, Burnley, Eng.; W. E. Wallace, London; J. K. M. L. Farquhar, P. Welch, Chester I. Campbell, W. P. Edgar, Wm. J. Stewart, all of Boston.

CINCINNATI NOTES.

Wm. Murphy, who has been on the sick list the past week is again on duty.

Fire completely destroyed the residence of Louis Deunler, Baltimore Pike and McHenry Rd. A spark ignited the roof of the kitchen and fanned by a strong wind the two story building was in flames when the fire companies arrived. Loss, \$2000.

Charlie McCrea with Hardesty & Co. has been tendered the nomination as State legislator from Newport, Ky. Two years ago Charlie was the only democrat elected to the city council and no doubt the democratic organization is under the impression that he can again carry the city, but Charlie is modest and does not feel inclined to accept the nomination. However, he need have no anxiety about his election as few people have more friends than genial Charlie McCrea.

Washington, Ill.—Dr. R. E. Gordon has purchased the El Paso Carnation Co. from W. G. Plumb. Dr. Gordon, it is reported, will form a stock company and Mr. Snyder will be engaged as manager.

MUSHROOMS.

(A paper read before the Newport Horticultural Society, by William Grey.)

The cultivation of mushrooms has reached a higher state of development in France than in any other country, it being stated that more than 10,000,000 lbs. pass through the central market of Paris annually. It is only within the past few years that the growing of mushrooms has reached much importance in this country, the growing of them having been confined to gardeners of French and English training on a small scale. Of late years, however, quite an interest has been taken and the growing of them has been undertaken on a large scale in different parts of the country. Although they are considered by many to be a very uncertain crop to handle, with a suitable place to grow them in, properly prepared compost, and good spawn, success should be almost certain. The grower who is in the business on a large scale must be reasonably sure of success as a failure would be very costly.

Preparing the Bed.

Mushrooms can be grown in any place where an even temperature and a moist condition of the atmosphere can be maintained. The temperature may range between 50 degrees and 60 degrees but mushrooms grown in a temperature of 50 to 55 degrees will be of much better quality and the beds will produce over a longer period. The atmosphere should be kept in a moist condition but should not be stagnant. Some means of ventilation should be applied so that there may be a gradual change of air, and, if found necessary the moist condition can be kept up by spraying walls, etc.

In the preparation of the compost, fresh horse manure in sufficient quantity to make the size of bed desired is procured and placed in a pile to heat. When it shows signs of heating it should be turned daily until the heavy heat has subsided. Care should be taken that it does not become too dry in turning as it should be in a moist condition when ready to make up into beds. A light sprinkling when turning may be found necessary to keep it in the right state.

Spawning.

When the compost has been prepared as above it is ready to make into beds. The beds need not be more than 10 inches in depth, the compost being put in layer by layer and thoroughly firmed. After being made up the beds will heat to 110 degrees or over but spawning should not take place until the temperature drops to 90 degrees or less. Some authorities say that 90 degrees is too high a temperature to spawn and would prove fatal to the spawn. This would probably be the case if the spawn was planted as deep as the thermometer is placed as it is the general practice to thrust the thermometer into the heart of the bed or at least six inches deep. Although the temperature at this depth may be 90 degrees it will be found that it is considerable less nearer the surface or at a depth of three inches which is as deep as the spawn should be planted. It may therefore be considered safe to spawn when the temperature in the heart of

the bed has receded to 90 degrees. In spawning, the bricks are broken up into pieces about 2 inches square and planted about 3 inches deep and 9 inches apart each way. After spawning the bed should be thoroughly firmed and a week or so after a layer of loam an inch in depth placed over the bed. If the conditions have been favorable mushrooms will begin to appear in from four to six weeks and a bed should remain in bearing eight weeks or longer. When watering becomes necessary it should be done by frequent light sprayings of the beds, a heavy watering being injurious to mushrooms in the young stage.

Good spawn is essential to success and the grower should be able to know whether the spawn is good or not before planting. In good spawn the mycelium should be well run through the brick and of a cloudy or mouldy-like appearance. When it shows in a white-threaded state of development it is practically worthless. This condition may have been caused by having been left too long in the spawn bed or by being improperly stored in a place where the conditions caused the spawn to develop. Spawn can be kept for a long time if kept in a cool dry place.

Through the result of experiments made by Dr. B. M. Duggar, Prof. of Botany in the University of Missouri, there is now on the market what is called the American Pure Culture Spawn. This spawn is undoubtedly superior in vigor to the spawn usually imported, and it has also been found that the different types or varieties of *Agaricus campestris* can be separated by this method, the spawn being sold in three varieties under the names of Alaska or white, Bohemia or brown, and cream white or Columbia. In producing this spawn, cultures are taken from the tissues of the mushroom to inoculate the bricks instead of using spawn from other bricks or beds or spawn gathered in a wild state in the fields, so-called "virgin spawn."

AN AMERICAN NURSERYMAN IN JAPAN.

Our friend, Ernest F. Coe, of the Elm City Nursery Co., New Haven, Conn., is undoubtedly enjoying himself in the realm of the Mikado. Here is a Japanese gentleman's translation of a reading notice that has gone the rounds of the Japanese press:

AN AMERICAN HORTICULTURIST.

Mr. Earnest Francis Coe, president of a plant company in Elm City, Connecticut, N. A., is now staying in Kyoto Hotel with Mrs. Coe. His visit to Japan is to investigate our gardens and plants and finish some researches in Yokohama and Tokyo. His particular study is of marakan-pine (or Sekka-pine), agallochum and yew tree, as he has found these gingko biloba family very appropriate for ornamental aim in garden. Gardens in Kyoto and hills and mountains in the vicinity are now the objects of his strenuous researches, and his earnest study has given him the conclusion that podocarpus chinensis and yew tree are the fittest as garden trees, for these are, on account of their slow growth, by no means obstacles in garden view, and on the other hand serve as pretty good shades from strong sunshine in summer days. He bought several thousand sapling at plant companies in Yokohama and Kobe, and has got stone lanterns and ornament stones for tens of thousand yen in this city. Yesterday morning he expressly went to Mount Koyao with Mrs. Coe, as he happened in the course of his researches here that a rare kind of above-mentioned plant can be found in the sacred mount. — *The Kyoto Shimbun*.

Obituary.

George Lorenz.

George Lorenz of Astoria, Long Island City, N. Y., died on Saturday morning, March 18. He had a stroke of apoplexy about three years ago and a second one last September, which together with Bright's Disease caused his death after much suffering. His age was 71 years.

Mr. Lorenz came to this country from Bavaria when a youth of 17. He worked as gardener for Mr. Rogers at Poughkeepsie, N. Y., and then for the elder Bridgman as foreman of the greenhouses at Astoria. This place he, in company with Mr. Wiegand, bought out and for many years continued it as Wiegand & Lorenz. On the death of Wiegand, Mr. Lorenz bought his interest and conducted the business until five years ago when he retired. A widow, four sons and two daughters survive.

Mr. Lorenz was for many years a member of the New York Florists' Club and the S. A. F., attending the conventions of the latter regularly and was of a companionable, genial temperament, which made for him many friends.

Herman Lawrentz.

Herman Lawrentz, a well known and highly respected florist, who has conducted a greenhouse for many years on the Torrington road, Hartford, Conn., was found dead in his bed March 17. He was about 70 years of age and had not complained of feeling ill at any time. Mrs. Lawrentz is in a critical condition from the shock caused by the unexpected death of her husband and owing to her advanced age fears are entertained that she may not recover. Mr. Lawrentz's death was caused by heart disease.

Marcus C. Longfellow.

Marcus C. Longfellow, a former florist of Anderson, Ind., died on March 11th at his home on Yorktown Road, near Muncie, aged fifty-one years. He is survived by a widow, daughter and two sons. Burial was at Beach Grove Cemetery.

A NOBLE BEQUEST.

The old Nathaniel Ropes mansion in Salem, Mass., filled with costly antiques, and which, from Colonial days, has been one of the most picturesque structures in Salem, will ever be dedicated to the uses of the public, under the wills of Elizabeth O. and Mary P. Ropes, granddaughters of the original owner.

The Misses Ropes have provided that the house shall always remain as a memorial to the Ropes family and have incidentally provided for free instruction in the knowledge of botany. For that purpose the extensive grounds are to form a botanical garden and a portion of the same, together with other land, which the trustees are authorized to purchase, is to be set aside as a public park.

To maintain the house in its present condition and to carry out the purposes of the testators they bequeathed \$144,000.

British Horticulure

The Sweet Pea Boom in Britain.

A well directed effort is being made to have the sweet pea regarded as the Coronation flower in the festivities which will take place in the summer this year. Judging from the many firms who are now offering this flower to the gardening public there is no diminution in the popularity it has attained in the last few years. The National Sweet Pea Society is still going strong. Since the recent annual meeting 63 new members have joined, while several additional local societies have become affiliated. A further series of trials will be made in Surrey this season by the Society, a number of the leading home and foreign raisers having sent varieties. The Society's "Year Book" for 1911 has lately been brought out, and it is once more filled with good things for the sweet pea enthusiast. An important feature is the report of the subcommittee appointed to examine sweet pea diseases. Growers have particularly suffered from the ravages of a disease which has been popularly described as "streak." Affected plants have been subjected to a critical examination by experts. The results so far have not thrown much additional light on this somewhat strange ailment. In most cases, it appears, eel-worms were found to be injuring the roots, and the fungus *Thielavia basicola* was discovered. Mr. Chittenden, the Royal Horticultural Society's expert, strongly advises the eradication of the eel-worm from the soil with a view to checking the disastrous spread of the infection.

The Cult of the Chrysanthemum.

Another organization which looms prominently in the horticultural world is the National Chrysanthemum Society. At the annual meeting on February 6th, Sir Albert Rollit, who presided, was able to congratulate the members on the excellent progress which was being made. The November show, he stated, was considered the finest the Society had ever held. He alluded to a visit paid by representatives of the Society to France; these visits were very valuable in promoting a good feeling between France and Britain. In December the Society held a very successful conference in London. The Society were co-operating in the arrangements for the International Exhibition at Chelsea in 1912; several of the Society's officers are members of the exhibition's executive. As regards the financial position, the year had closed without any unpaid debts, whilst there was a balance in hand. Sir Albert Rollit was re-elected president; John Green, treasurer; Richard Witty, secretary; Thos. Bevan, chairman of committee, and C. Harman Payne, honorary foreign corresponding secretary. A pleasing feature was the appointment of M. Viger, president of the National Horticultural Society of France; M. A. Truffaut, premier vice-president of the same society; M. Maxime de la Rocheterie, president of the French Chrysanthemum Society; D. B. Crane, and J. H. Witty as fellows of the Society.

A Few Novelties.

This is the time when the study



CARNATION WASHINGTON
Dark Pink Sport of Enchantress.

table becomes laden with the printers' masterpieces issued by the nursery and seed firms. One cannot help noticing that in recent years there has been a decided advance in the high class character of the British catalogues. The best examples of letterpress work and illustrations are brought into force to enumerate the leading lines of the principal houses. There is once again a wide array of novelties to satisfy the demands of the most exacting enthusiast. Messrs. Wells & Co., of Merstham, are putting on the market nine meritorious chrysanthemum novelties. These include Lady Carmichael, white; Mrs. Gilbert Drabble, marble-white; E. M. Quitten-ton, deep crimson, with gold reverse; Marie Loomes, chestnut terra-cotta; H. E. Converse, reddish bronze, with gold reverse; Mrs. R. E. Witty, reddish terra-cotta, the florets being broad and drooping; William Turner, white; Mrs. G. C. Kelly, deep old rose, with silver reverse; Wells' White. The new singles embrace: Merstham Rose, rose, white border; Miss Hil-da Wells, crimson, with gold band circling disc; Crimson Jewel, crimson, tipped with gold; Sam Standen, rose, white disc; Yellow Fortescue, a spidery variety from Japan; Merstham Gem, crimson, with yellow circle round disc. Backmore and Langdon are sending out Begonia Rose Queen, an exhibition variety; Winsome Partner, reddish salmon; Kennerley Rumford, apricot; Madame Clara Butt, pale rose, lightly mottled with white; Duchess of Cornwall, dark crimson. Messrs. Sutton & Sons are offering a new single aster, Sutton's Southcote Beauty. Amongst the new dahlias, Messrs. Hobbies, Ltd., are distributing: H. L. Brousson, a pink; Mrs. Douglas Flemming, white with faint green markings at the base

of the florets; American, White, with crimson stripes and markings. Raynes Park Gem is the name of a dark crimson bedding cactus dahlia which Messrs. Carter & Co. are offering. The same firm have some new hybrid eschscholtzias. A late white aster has been added to the list by R. H. Bath, Ltd. This firm are handling the two new American sweet peas, Ethel Roosevelt and Florence Nightingale. A specialty in rock garden plants is made by Barr & Sons, who are offering *Onosma Helveticum*, a new species of the Golden Drop; this has long, dark green leaves, with citron-yellow flowers. Some new hybrids of aubrietias are likely to prove popular. Toogood & Sons are making a special feature of the following antirrhinums: Toogood's Lightning, vermillion; Buff Queen, rose, with cream lip; Prince Chamois, golden chamois; and Golden Fairy, shell pink, with pale yellow blotched lip.

Items of Interest.

Mr. T. W. Sanders, F. L. S., has been presented with an illuminated address in recognition of his services to the National Amateur Gardeners' Association, which has just celebrated its 21st birthday.—A well-known horticulturist has lately passed away in the person of Mr. George Daniels, one of the founders of the firm of Messrs. Daniels Brothers, seedsmen, of Norwich.—A National Daffodil Society is the latest project to receive consideration in gardening circles. The North of England Horticultural Society, formed a short time ago, has made an encouraging start. It is proposed to hold a big show in Leeds in August or September.

W. H. ADSETT.

Foreign Notes

Paris Chrysanthemum Committee.

This body which acts under the National Horticultural Society of France, has just drawn up and published its annual lists of the best chrysanthemums for various purposes. There are 14 sections in all giving name, raiser, date and color. The sections contain the best 50 large flowering earlies, the best 50 dwarf large flowering decoratives, the best 40 for standards, the 30 best late flowering, the best 30 incurves, the best 25 hairy, the 10 best anemones and others. This year a new section, the best 25 single flowering varieties, has been included, owing to the interest that is being aroused in them in France.

Mr. Geo. Schneider.

At the annual dinner of the French Horticultural Society held in London, Eng., a few weeks ago, under the presidency of M. Philippe de Vilmorin, some concern was created by the absence of Mr. Geo. Schneider, the Society's permanent chairman, through severe illness. He has many friends the wide world over, and those of them in America will rejoice to know that at the time of writing these lines, "Papa Schneider" is making good progress towards recovery and is allowed by his medical man to get up for a few hours every day. We all wish him a speedy and complete recovery.

National Chrysanthemum Society of England.

At the annual general meeting of this society the following officers were elected: President, Sir Albert K. Rolit; treasurer, John Green; chairman, Thomas Bevan; vice-chairman, E. F. Hawes; foreign secretary, C. Harman Payne; general secretary, R. A. Witty. Honorary fellowships were awarded to Messrs. Viger and Truffant of the National Horticultural Society of France, and to M. Maxime de la Rocheterie, president of the French Chrysanthemum Society. M. Louis Gentil, editor of *La Tribune Horticole*, Brussels, was nominated a corresponding member.

National Horticultural Society of France.

The annual report of this great French society has just been published. Its membership has during the past ten years very largely increased, there being at the present moment between four and five thousand names on the roll. Last year two grand International Horticultural Shows were held in Paris, one in May and the other in November, and in conjunction there were two congresses. The library—probably the best and most extensive horticultural library in Europe—received large additions and a supplement to the library catalogue was

ACACIA PUBESCENS.



ACACIA PUBESCENS

At Greenhouses of Joseph Fuller, Leominster, Mass.

This fine specimen of this popular decorative subject is growing in the greenhouse of Joseph Fuller, Leominster, Mass. It is nine years old, having been planted out where it now stands, from a six-inch pot. The soil is a sandy loam and it is easy to see that the acacia enjoys it.

Mr. Fuller says that he keeps it

well-watered at all times and during the growing season syringes once and twice a day in clear weather. From December 1 to February 1 he gives it liquid manure twice a week.

The tree has a spread of 24 feet from tip to tip across the head. Large quantities of richly flowered sprays three to five feet long are cut from it each season.

published. Everyone interested in garden bibliography will welcome this new effort on the part of M. Georges Gibault, the society's excellent librarian. The monthly journal appears with unfailing regularity, and contains reports of the society's meetings, various shows, papers of scientific or practical importance, etc.

International Horticultural Exhibition, London, 1912.

Considerable progress is being made by the executive committee of this great show. Queen Alexandra has recently signified her willingness to be one of its patrons. A preliminary schedule has been prepared and issued containing over 400 classes. Copies may be obtained of the secretary Ed. White, 7 Victoria street, London, S. W. The show has been fixed to be opened on the 22nd of May, 1912, and to remain open till the 30th of that month. The site will be the grounds of the Royal Hospital, Chelsea, a space of about 20 acres having been acquired for the purpose. Subscriptions and guarantees are being asked for and various advantages will be offered to those who enter their names in either of these lists.

Societe Royale de Flore.

This is reputedly the oldest floral society in Europe. It is known to have been in existence as far back as 1650, but records anterior to that date cannot be traced. It may possibly have

been an outcome of the tulipomania that raged in the low countries a little earlier in the 17th century. At first it was known as the Confraternity of St. Dorothy, but later the name was changed to that given above. It is under the patronage of H. M. the King of the Belgians. Quite recently Mr. R. Hooper Pearson, editor of the *Gardener's Chronicle*, and Mr. Harman Payne were elected members of honor of the society which includes among its members many well known horticulturists.

Royal Horticultural Society.

The growth and expansion of this great English Horticultural Society is practically without a parallel. From the annual report just issued and which contains much interesting matter relative to the past year's work we notice that the total members at the end of 1910 was 12,043, a number never reached by any other similar society. The financial condition appears to be equally satisfactory for on the year's working the excess of receipts over expenditures amounted to about \$41,850.

Monument to Ernest Calvat.

The subscription list opened for the purpose of raising a fund to place a monument over the grave of this illustrious French chrysanthemum grower has now reached the sum of over 1250 francs. Donations may still be sent to M. Ph. Rivoire, secretary of the French Chrysanthemum Society, 16 rue d'Algerie, Lyons, France.

Harman Payne

Extra Choice Grafted Rose Plants

Pink and White Killarney, Richmond and Maryland

In 2-in. pots ready for delivery April 15th

\$12.00 Per 100

These young plants are taken only from selected wood of our strongest stock.

Kaiserin, own root, 2 1-2 in. \$4.00 per 100; \$35.00 per 1000.

Bassett & Washburn,

OFFICE: 76 Wabash Av., Chicago, Ill.
GREENHOUSES: Hinsdale, Ill.

WISCONSIN UNIVERSITY GIVES RECOGNITION OF ACHIEVE- MENT.

Special testimonials of recognition of their eminent services in the development of agricultural thought and practice were conferred upon Alexander Galbraith of Janesville, and William Toole of Baraboo, at the annual recognition exercises of the College of Agriculture of the University held in connection with the Farmers' Course. These men were selected for this particular recognition by the University because of their important work in the development of Wisconsin agriculture. Dean H. L. Russell reviewed the life work of each man in presenting them to President Charles R. Van Hise who conferred the testimonials.

Wm. Toole, of Baraboo, is well known throughout Wisconsin and many other states as one of the leading horticulturists of the country. While he has been particularly a specialist in the improvement of the pansy, he has also advocated better methods of farming in all lines and has also been instrumental in organizing a better type of social life in the community in which he resides.

Mr. Toole was born in Lancashire, England, in 1841, and came to Rhode Island a few years later. In 1859 his father moved to Sauk County, Wisconsin. In 1887 he moved to his present homestead known as Pansy Heights, two miles from Baraboo. He has built up an important business as a dealer and grower in flower seeds and plants with special attention to the development and cultivation of the pansy. He has been a leading prize winner at many shows with this flower, and has originated a number of varieties of high quality. His most valuable service to his community has been through his work for better educational facilities and as a prime mover in the Wisconsin State Horticultural Society. He was an early advocate of the strong College of Agriculture. He has held numerous offices of farmers' organizations, and for the past two years has been president of the State Horticultural Society, and for the past five years has been president of the Skillet Creek Farmers' Club, a social organization of farmers which has secured country-wide notice because of its work in aiding the improvement of rural social conditions. The influence of Mr. Toole has been state-wide in favor of permanent and substantial agriculture, and it was for this unselfish service that he was recognized by the university.

CATALOGUES RECEIVED.

Among recent publications which have come to our desk the illustrated catalogue entitled Palisades Popular Perennials, 1911 supplement of new, rare and meritorious hardy plants, is particularly pleasing and interesting. Among the desirable things of recent introduction therein listed we notice the following: *Helenium autumnale* superbum rubrum; *Aster Beauty of Col-*

wall; Hardy *Fuchsia Riccartoni* hybrids; *Lathyrus White Pearl*; *Siberian Edelweiss*; *Primula veris superba* fl. pl.; *Wallflower Cloth of Gold*; *Chrysanthemum Nipponicum*. These and many more are desirable additions to any garden and the Palisades Nurseries, which are located at Sparkill, N. Y., are entitled to much credit for what they are doing to disseminate the knowledge of these improved garden subjects.

Easter Plants

Send your orders direct to the Mill, the great Mill of Plant Production that never ceases, of Godfrey Aschmann, well known for Easter Plants from ocean to ocean.

LILIUM MULTIFLORUM green as grass, good foliage from bottom up, 6-in. pots from 12 to 30 inches high. Plants with 5 to 10 buds, 10c. per bud; plants with 2 to 4 buds, 12c. per bud.

HYDRANGEA OTAKSA every branch nicely staked up, 6, 7 and 8-inch pots, 35c., 50c., 75c., \$1.00 to \$1.50.

SPIREA GLADSTONE, 6 and 7-inch pots full of flowers, 35c., 50c., 75c., \$1.00.

CINERARIA HYBRIDA GRANDIFLORA, all colors, mixed, 5½ to 6-inch pots, 25c., 35c., 50c., 75c., \$1.00.

AZALEA INDICA, selected by myself on my trip to Belgium last year, 1910. Good best American varieties, Mme. Van der Cruyssen, double pink, 75c., \$1.00, \$1.25, \$1.50 to \$2.00. Simon Mardner, double pink, *Vervaeana*, *De Schreyeriana*, *Empress of India*, double variegated, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00. Apollo, red, 50c., 60c., 75c. *Deutsche Perle*, Niobe, white, 60c., 75c., \$1.00, \$1.25 to \$1.50. Bernard Andreas Alba, also white, and large Niobe, \$1.50 to \$2.00.

CRIMSON RAMBLER ROSES, large plants 30 by 36-40 inches high, 75c., \$1.00, \$1.25, \$1.50.

HYACINTHS, four best colors: Gertrude, pink, King of the Blues, dark blue, Grand Maitre, light blue, La Grandesse, white, 4-inch pots, \$12.00 per 100.

TOURNESOL, best double variegated and Marillo double rose Tulips, 3 bulbs in one pot, \$1.80 per doz., \$15.00 per 100 pots.

VON SION DAFFODILS, best double yellow narcissus, 3 bulbs, in 6-inch pots, \$2.50 per doz. pots.

ARAUCARIA EXCELSA, 6 and 7-inch pots, 4, 5, 6 and 7 tiers, 4 to 5 years old, 25, 30 and 35 inches high, 75c., \$1.00, \$1.25, \$1.50 to \$2.00.

ARAUCARIA GLAUCA, 6 to 7-inch pots. **ARAUCARIA ROBUSTA COMPACTA**, 6 to 7-inch pots, \$1.25, \$1.50, \$1.75 to \$2.00.

KENTIA FORSTERIANA, 6-inch pots, 30 to 40 inches high, \$1.00, \$1.50 to \$2.00.

KENTIA BELMOREANA, single plants, 6 to 7-inch pots, \$1.50 to \$2.00.

KENTIA BELMOREANA, combination plants, 3 plants in one pot, 30 to 40 inches high, \$1.25, \$1.50 to \$1.75.



FERNS

ASPARAGUS SPRENGERI, 4-inch, 10c.; 2½-inch, 4c.

NEPHROLEPIS BOSTONIENSIS, 5½ to 6-inch, 40 to 50c.

NEPHROLEPIS SCHOLZELI, 6-inch, 50c.; 7-inch, \$1.00.

WHITMANI, 7 to 8-inch, \$1.25 to \$1.50.

SCOTTII, 5, 5½ to 6-inches, 35c., 40c., 50c.; 7-inch, \$1.00; 8-inch, \$1.50.

NEPHROLEPIS GIATRASIL, a new fern very graceful, of weeping habit, 5, 5½-inch pots, 30c., 40c., 50c. Small 4-inch, 20c.

LATANIA BORBONICA (Chinese Fan Palm) 30-inches, 6 to 7-inch pots, 40c., 50c., 75c.

DRACAENA BRUANTI, 6-inch, 35c. to 40c.

BEGONIA REX, 5½ inches, 25c.

IPOMEA NOCTIFLORA or Aschmann's well-known, pure white, waxy Moon Vine, 2½ inch, \$5.00 per 100. Now is the time for you to plant them into 4-inch pots. will make plants for you by May 25th.

FERNS FOR DISHES, assorted, \$4.00 per 100.

Cash with order please, no references. All plants travel at purchaser's risk only. Mention if pots are wanted.

GODFREY ASCHMANN

Importer and Wholesale Grower and Shipper of Potted Plants

1012 West Ontario Street

PHILADELPHIA, PA.

CHICAGO NOTES.

C. N. Dickinson of the E. H. Hunt Co. has returned from a trip to Denver and other western cities.

The J. C. Moninger Co. have their new catalogue ready for the press. They report an unusually busy time.

Strail & Hahn, who opened a store in the Wellington Hotel one year ago and who have established a nice business, have been obliged to leave that location on account of advanced rent. Another equally desirable place will doubtless be found.

It looks this year as if the ease with which white flowers have been colored green for St. Patrick's Day has lessened the demand for them. The novelty is wearing off and there were many left over to be thrown out last week, as they should.

The Misses Frances E. Stollery and Nettie C. Moore are opening a retail store at 627 Evanston avenue. Miss Stollery is a sister of the Stollery Bros., florists, and Miss Moore is the head of the firm known as the N. C. Moore Co. of Morton Grove, Ill.

Work is begun on the new range of houses for the Desplaines Violet Co., at Desplaines, Ill. Foley Mfg. Co. supplies the wood work and state that they are contracting more work than usual this spring, as the low price of glass and building material is enabling many to build who otherwise could not.

Poehlmann Bros. will cut about 100,000 *Formosum* lilies, which they find preferable to *gigantum* for cut flowers. The thinner foliage makes the blooms larger and more numerous because admitting more air while the *giganteum* being stockier and carrying heavier foliage makes the better pot plant.

A genuine black hand scare has visited one of the retail florists. Frank Williams, 35 Randolph street (whose Greek name he long since discarded) left for his native land a month ago, and now his wife, who has charge of the store, has been threatened with death if she does not deposit money where directed. An employee is suspected.

PHILADELPHIA NOTES.

Eugene Weiss has sold out his greenhouse establishment at Hatboro to his brother Harry Weiss and will go on an extended trip in the hope of recovering lost health.

B. Eschner of M. Rice & Co., reports Mr. and Mrs. Rice at Leipsic, Germany, attending the great international exhibition which is now going on in that historic city. Mr. Rice is on his annual European tour and will return with a full budget of novelties for the florists' trade.

Linnæus Cox, rose grower, Wissinoming, will build three houses, 30 x 70 ft. in the near future. The contract for the materials has been awarded to the Lord & Burnham Co. Dennis Connor, the local agent of the company, reports business very active at present and quite a wave of activity among the commercial flower growers in this vicinity. This follows naturally on the good season the cut flower men have experienced. According to

THE GREAT National Flower Show

MECHANICS BUILDING
BOSTON, MASS.

March 25th to April 1st, inclusive

Under Auspices
Society of American Florists
in connection with

American Rose Society, American Carnation Society,
National Sweet Pea Society, Gladiolus Society, National Association of Gardeners, Florists' and Gardeners' Club and the Massachusetts Horticultural Society.

Applications for Space in Trade and Competition
Departments now receivable.

Write for Complete Premium List
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\$10,000 in Prizes, and diagram of floor space to

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5 Park Sq., BOSTON, MASS.

HOTEL WESTMINSTER Copley Square, Boston.

C. A. GLEASON

all accounts these specialists have fared much better than the plant men. We hear of quite a number who are contemplating building hereabout, and expect to report contracts placed in many instances, in the near future.

Visitors: Mr. McCarthy, manager P. R. Quinlan & Co., Syracuse, N. Y.; E. B. Coe, representing D. M. Ferry & Co., Detroit, Mich.; Ernest Weinhaber, Chicago, Ill.; G. W. Strange, South Orange, N. J.; James Mattson, Newport, R. I.

FIRE RECORD.

Plymouth, Mass.—A greenhouse on the country estate of Levy N. Mayer was destroyed by fire on March 16th. An overheated furnace is said to be the cause; loss about \$1,000.

Ansonia, Conn.—Peters & Palmer Greenhouses, 108 Holbrook street, were damaged by fire the evening of March 14th. About one-half of the building was destroyed and the remainder considerably damaged. Loss is estimated at \$400 or \$500 with no insurance.

AN ACCREDITED FUNGICIDE.

We have received from the B. G. Pratt Company of New York a pamphlet on Fungous Diseases of Fruits, Vegetables and Flowers, describing how these pests are controlled effectively, easily and cheaply with "Sulfocide," a compound made by the B. G. Pratt Company. The subject of which it treats is of intense interest to the farmer, fruit grower and florist and we do not hesitate to commend a perusal of its contents by our readers. It contains testimonials from such recognized authorities as Dr. J. B. Ewing, Booneford, N. C.; Mr. Horace Roberts, Moorestown, N. J., ex-President of the New Jersey Horticultural Society and one of the largest truck growers in the state; Hon. George T. Powell, Ghent, N. Y., President of the Agricultural Experts' Association, and Prof. John B. Smith of the New Jersey Experiment Station.

Morgantown, W. Va.—W. R. P. Stewart, florist, has gone out of business here and moved to Ohio.



THE BRUNSWICK

Boylston St. and Copley Square

BOSTON'S MOST POPULAR HOTEL
FOR VISITORS TO THE NATIONAL
FLOWER SHOW

Located directly opposite the Institute of Technology, and within two blocks of Back Bay R.R. Stations. All cars to Mechanics Building (Exhibition Hall) pass the entrance.

EARLY RESERVATION OF ROOMS IS ADVISED
European and American Plan

HERBERT H. BARNES, Prop.

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Even'gs 8.10, Wed. and Sat. 2.10

THOUSANDS continue
to enjoy thousands
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Big Comedy Success

THE COMMUTERS

By the man who wrote "The Chorus Lady" and "The Traveling Salesman."

National Flower Show visitors should not miss this laughable tale of life in the suburbs.

Commutation Tickets Now
on Sale at Ticket Office.
Prices 1.50, 1.00, 75c, 50c.
25c.

The Thorndike Hotel

Boylston St., opp. Public Garden, Boston

Recognized as one of Boston's Best Hotels. Suited to the requirements of tourists — and the best class of Business men and their families.

Rates Per Day

Single Rooms \$1.50, \$2.00, \$2.50; with Bath \$2.00 to \$4.00. Double Rooms \$2.50 to \$4.00; with Bath \$3.50 to \$6.00. Parlor, Chamber and Bath \$6.00 to \$10.00.

"Ye Old English Room"

Conspicuous for its cuisine and service. High class and same standard as the best New York restaurants.

Visitors to the National Flower Show Should
Book at the Thorndike, Five Minutes
From Mechanics Building

COPLEY SQUARE HOTEL

Huntington Avenue, Exeter and Blagden Streets

BOSTON, MASS.

Nearest hotel (only one block) to Flower Show. Rooms without bath \$1.50 per day up, with bath \$2.00 per day up. European plan. 350 rooms, 200 private baths.

AMOS H. WHIPPLE, Proprietor

WILLIAM KLEINHEINZ.

The chief editor asks for a few remarks on William Kleinheinz—as his picture is to adorn this issue. It gives me great pleasure to say a word or two on that subject. I have had it in mind for a long time, and—now that the opportunity has come—*Gemutlicht heit!* Here goes.

Please do not expect me to throw bouquets. If I am to paint a picture it must be a true one. The spirit of Oliver Cromwell—who told the artist to paint him “warts and all”—permeates me in this effort.

P. A. B. Widener is many times a millionaire and his tastes are of the cultivated kind. He built a splendid mansion in one of the loveliest rural districts around Philadelphia and the settings and surroundings are in keeping with the generous and palatial ideas of the founder. To get the right man as superintendent of an estate or



WILLIAM KLEINHEINZ

this character was not easy, and many were discarded before the keen and catholic shrewdness of Paul Huebner suggested William Kleinheinz.

William Kleinheinz rose to the opportunity and made good. Digging into the lad's history we find that, added to native ability, he had some good training. Born in Stuttgart, Germany, served apprenticeship in same city in a commercial place. One year as student at the Royal Gartenblau School in Hohenheim, Royal Garden, Stuttgart. Head gardener three years for Hungarian nobleman. Landed in America, 1889. Worked in several commercial places in United States and wound up as assistant to Paul Huebner, superintendent of the Reading R. R. landscape department, from which he went to take charge of the Widener place, June 15th, 1899.

Mr. Kleinheinz has been president of the Gardeners' Association for two terms, and has filled this exalted position with great ability. He donates a champion cup for competition at the National Show, and will be on hand on that great occasion to greet all his old friends and extend the glad hand to his fellow-craftsmen generally.

G. C. W.



Packing House Adjoining R. R. Siding Erected 1910

LARGE STOCK OF

HARDY NORTHERN GROWN TREES, SHRUBS, VINES, PERENNIALS, ETC., well rooted and thrifty—the results of intensive cultivation. **PACKING FACILITIES** of the **LATEST** and **BEST**.

Location only 18 miles South of Boston on Plymouth Division of N. Y., N. H. & H. R. R. *Arrange to visit us while at the Convention.* Write or phone Rockland 26-13 and we will meet you at the station.

If you have not received a copy of our *new catalogue*, ask for it—**FREE TO YOU.**

The Bay State Nurseries
NORTH ABINGTON, MASS.

See the Most Beautiful Display of Rambler Roses Ever Shown, at the National Flower Show. Among them will be gorgeous specimen plants of the following **NEW** varieties: Lady Blanche, double pure white; Mrs. M. H. Walsh, pure white, large double flowers; Lucille, beautiful flesh-pink double; Maid Marion, single light pink; Winona, double dark rose; Summer Joy, double dark rose; Troubadour, double crimson. Of the older varieties there will be Hiawatha, Lady Gay, Minnehaha, Kalmia, Coquina, Paradise, Milky Way, La Fiamma, Excelsa. All the above will be exhibited by the raiser, **M. H. WALSH**, from his establishment at Wood's Hole, Mass.

**ORDERS BOOKED NOW
FOR CARNATION**

"BENORA"

For 1911-12 Delivery.

WATCH FOR IT AT
THE NATIONAL FLOWER SHOW

CALL AND SEE IT—OR SEND
FOR DESCRIPTIVE CIRCULAR.

PETER FISHER, ELLIS, MASS.

W. and K. THE SIGN OF QUALITY

**IF YOU ARE A GROWER OF THE VERY HIGHEST
CLASS OF DUTCH BULBS AND ROOTS WE
SOLICIT YOUR PATRONAGE**

Write today for catalogues, they will interest you. Hyacinths,
Tulips, Daffodils, Iris, Gladiolus, Lily of the Valley,
Spiraea, Dahlias, etc.

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PLANTS**

All the latest novelties and
standard varieties. You can
depend on our plants to give
large, fine quality fruit.
Send for our latest catalogue.

**WILFRID WHEELER
CONCORD, MASS.**

"Nothing but Roses"

Spring List ready, 200 old and new
sorts, 2½ and 4-in. on own roots.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

DAHLIA ROOTS

Whole Field Clumps—At \$5.00 per
100 and up, 1000 in 10 distinct kinds either
Show, Decorative, or Cactus our selection of
kinds for \$40.00 cash.

CANNA ROOTS

Strong Division—At \$2.00 per 100, \$12.00
per 1000 and up. *Send for List.*

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

You can just as well buy your French bulbs from the most reliable source of supply as not because they don't cost any more money and they will average better returns than most bulbs of various brands on the market. The House of Bremond in Ollioules, France, is the home of the French bulb industry. The standard of quality maintained for so many years is marvelous considering the various seasons and conditions at times to be contended with.

If you knew what care is taken by Mr. Bremond to assure his clients of superior quality you would never buy other brands. The Horseshoe Brand in French bulbs are Bremond's goods and are from the choicest fields in France.

Write for Prices.



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Not How Cheap
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HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

Try a few of the "Yellow Paper Whites" this year. Write us.

*In ordering goods please add "I saw
it in HORTICULTURE."*

TWENTY HOUSES DEVOTED TO

RAMBLER ROSES, \$.50 to \$10.00 each
 ACACIAS, 1.00 " 7.50 "
 AZALEAS, .35 " 5.00 "
 MARGUERITES, .25 " 2.00 "
 LILIES, .12½ per flower

BOUGAINVILLEAS, \$1.00 to \$5.00 each
 HEATHS, .50 " .75 "
 BORONIAS, 1.00 " 5.00 "
 HYDRANGEAS, white
 and pink, .50 " 5.00 "

The above stock will be just right for Easter. Greenhouses 40 minutes from North Station, Boston.

THOMAS ROLAND, - NAHANT, MASS.

THE GLADIOLUS.

As We Knew and Grew It Fifty Years Ago—By H. Youell, Syracuse, N. Y.

Read before the American Gladiolus Society at Boston.

When asked to contribute a paper for the initial meeting of the Gladiolus Society, I gladly consented, as I feel greatly interested in the success of the Society. This arises from the fact that fifty years ago, my father was the largest grower of gladioli in England and I am proud of the fact that *Brenchleyensis* was disseminated by him.

It may be interesting to many if I recall, as they occurred, some of the facts relating to the early history of the *Gandavensis* varieties fifty years ago. It is generally known that the Gladiolus family is indigenous to Africa, and I know positively that *Gandavensis* originated there, being found by a French sailor and taken by him to Paris. It is to Frenchmen we are indebted for the great progress made fifty years ago, for they laid the foundation, so to speak, that we have built upon and made possible the grand flowers we have today.

It may not be generally known that Napoleon the III. was passionately fond of rare plants and flowers, and it is owing to his interest and enthusiasm that France today holds her position in the floral world. So eager was the Emperor to add to his collection of rare plants, that he offered large bounties to his soldiers, sailors and fishermen or to travelers who would bring him any good novelties from foreign countries. So it came about that *Gandavensis* was taken to Paris and placed in the hands of Mr. Souchet, the head gardener of the Emperor, and through his industry and ability came the beautiful varieties.

I take it there are not many who can recall the old *Gandavensis* with its broad yellow, poorly shaped flowers with a crimson edge, but what a beautiful and wonderful flower it was considered when first sent out, for the Colvilli varieties were the only ones grown and were called Jacob's Ladders in my childhood days.

Bowensis was the next one to make its appearance. This was a dirty brick red, but was a good shaped flower with large spikes. Fanny Rouget followed; this was a very pleasing pink, but only a medium sized flower. It was about 1855 or 1856 that these made their appearance and in 1857 the English people heard of the wonderful

flowers to be seen in the Royal French gardens. In August of that year Queen Victoria, with the Prince Consort and a very large retinue paid a visit to Napoleon. At that time the gardens were a blaze of glory with their many colored flowers and the Queen and all her court were completely carried away with the sight and returned to England with wonderful stories of what they had seen. The Queen was so delighted and enchanted that the Emperor ordered Mr. Souchet to send her a large supply of bulbs and so generously was the order obeyed, that the head gardener at Osborne could not find room for all and, rather than throw them away, he gave the surplus stock to my father, who was a personal friend. This was the nucleus of what eventually became the largest collection in England fifty years ago.

Soon after the Queen's visit to France came what was considered the wonder of the age in the floral world, for Mr. Souchet through Victor Verdier and Messrs. Vilmorin sent out quite a number of very beautiful varieties, some of which I believe are still grown in England. The names of a few I recall are John Bull, Victor Verdier, Napoleon Third, Queen Victoria, Calypso, Duc de Malakoff, Dr. Andry, Ceres, Endymion and LaReine.

I may be excused for feeling proud of the fact that my father disseminated the following year that grand old *Brenchleyensis*, still the acknowledged leader of its class. Its origin is a mystery. How it came into my father's possession is as follows: Some years previously he had in his employ Mr. W. Casey, foreman of the hard-wooded department, and traveling occasionally (he was later connected with Hugh Low & Co.) on one of his journeys through Kent, he visited a small place called Brenchley. In a cottager's garden he noticed several flowers of this variety and after a great deal of persuasion and what must have been a large sum to the owner (25 pounds), he secured the stock. All the information he could gather as to its origin was that a son who was a sailor had brought the bulbs home from some foreign country—Africa, it was believed at the time. How popular *Brenchleyensis* became is best attested by the fact that from 1860 to 1864 our sales averaged 300,000 yearly.

Our nurseries were situated at Great Yarmouth (made famous by Charles Dickens in David Copperfield), and less

than two thousand years ago the North Sea flowed where the town now stands, so of course the soil was very sandy and to that fact I attribute our success in cultivating the bulbs. The only thing used to enrich the soil was rotten brewers' hops, and disease was a thing unknown to us.

I have always been and am still a very strong advocate of printers' ink and flower shows, both for educational and commercial purposes, and believe my past experience justifies me, as I shall show. Prior to 1860 we had sent large quantities of gladiolus blooms to the Crystal Palace for decorative purposes free, and were assured that they were much finer than any exhibited for prizes. After much persuasion, my father consented to compete and had several large beds prepared and planted with the choicest kinds, to be raised for exhibition. The amount of the prizes was very small—for the best collection \$12, best twenty-four spikes \$5, best twelve spikes \$2.50; not much of an inducement for three men to travel one hundred and forty miles, pay excess luggage and hotel bills for three days, and compete against such men as Standish, Turner, Paul Cutbush and others. We went and conquered, not only the prizes but all the London papers from the Times down: they gave us columns of the best possible advertising, and that was not all, for the two foremen and myself booked orders the first day for more than three hundred pounds, besides distributing 5,000 catalogues in the two days. Did it pay?

The method in vogue at that time for staging the flowers was to have green painted boards, 3 ft. 6 in. long by 2 ft. 6 in. wide; each board had 24 holes fitted with tin tubes to hold the water. Our boards sloped on an angle of 45 degrees, which showed off the back row. We showed three spikes of each variety together with a little foliage mixed in. Some exhibitors used garden asparagus, others fern fronds, but I must say the effect of using the gladiolus foliage was by far the neatest and most appropriate. The London Times, speaking of our exhibit, said: "The flowers showed the highest cultivation and their staging was a finished and artistic piece of work and a revelation." Certain it is that our flowers were better colored and had far more substance than those grown around London or even in France, which I attribute to the salt air and our sandy soil.

BULBS FOR

Our Specialty is GLADIOLI

Our leading variety is "America" of which we sell 1,000,000 (one million) bulbs a year. It's the florists' variety of yesterday, today and will be tomorrow.

We are also headquarters for all other varieties of merit for Florists' use, such as Augusta, May, Brenchleyensis, Shakespeare, Superb white and light mixed, etc., etc.

A complete stock of fancy varieties. Noted the world over for Superior Merit.

SPRING PLANTING

We are strong not on Gladioli only, but we are in leading position to supply first class stock of Home Grown Lilioms, German and Japan Iris, Cannas, Hyacinthus Candicans, Lycoris Squamigera, Paeonies, Tritomas, etc., etc.

Inquiries and orders given prompt attention.

Learn to think of Childs when you are in the market for Gladioli and other Bulbs.

See exhibit at National Flower Show.

JOHN LEWIS CHILDS

Wholesale Department

FLOWERFIELD, LONG ISLAND, N. Y.

SUMMER FLOWERING

JAPAN LILY BULBS, PLANTS and BAMBOO STAKES

Stone and Bronze Lanterns and Garden Ornaments.

YOKOHAMA NURSERY COMPANY

Yokohama, Japan and 31 Barclay St., New York.

WHOLESALE ONLY.

HIGH GRADE EASTER PLANTS

¶ *Visitors to the National Flower Show* are cordially invited to visit our greenhouses, also our exhibit at Mechanics Hall, Boston, and inspect our superb stock of *Lilies, Azaleas, Acacias and other Spring Plants and Easter Novelties.*

W. W. EDGAR CO., Waverly, Mass.

EASTER NOTES FROM CRAIG'S.

"Rhododendrons will be among the best Easter plants this year," says Robert Craig, "because Easter is late this year and as soon as the plant is out of bloom it can be transferred to the garden and form a permanent ornament. Besides, a shapely, well-furnished rhododendron shows up better than an azalea costing twice as much."

Hydrangeas should also be good Easter plants this year as they will come in nicely for porch use by the time Easter is over. They are finely finished, clean, shapely plants, well set with buds.

Nephrolepis Smithi is another of the many sports, having very finely-divided fronds and unique in some ways. Mr. Craig gave it as his opinion that it is the best of all for 4-inch pots and a perfect gem for transferring to jardinières, fern dishes or mixed baskets. It came from the Botanic Gardens at Washington, and is named after the superintendent, W. R. Smith. In his humorous way Mr. Craig began to expound on the wonderful way the old Boston fern has developed. "For a hundred years or more this staid, old Puritan," said he, "behaved itself according to the rules. Then all at once it went on a tear, and shot the town up. Had a regular orgy. Met all comers, and gave them surprise after surprise. No one could tell what it would do next, and timid housewives took

their babies indoors when they heard a noise. The stillness of the solemn midnight was filled with Bedlam. Golden dawn, brilliant noon and dewy eve alike beheld its capers. Mankind stood aside in little groups and looked with bated breath in awe and wonder. And no one can tell where this is going to stop. It may, like Tennyson's brook, go on forever. At all events it's the real and only original true blue Sport of the plant kingdom."

We all thought when that cyclamen expert of Craig's—"Old man" Winship—was gathered to his fathers some years ago, that his place could never be filled. But we are agreeably surprised to find that it has. Ernest Thomas is the man. He is a protege of Edwin Lonsdale and is said to be one of the best cyclamen growers in the country. The cyclamen is more of a Christmas than an Easter plant, of course, but there are still a few batches of well developed plants to be seen. One of the good new forms is a fringed variety called fimbriata carminea marginata, one of the butterfly section, but more symmetrical and when fully developed, has none of the objectionable raggedness of form. The color is white and blush, fringed with bright carmine.

We commented on the trained Rambler roses in a previous issue, so it is needless to say more now; but one interesting remark of Mr. Craig's may be noted. Pointing out a lot of American Pillar, he said, "That's the one that sent London crazy, and sent the Englishmen over here to clean up the country. That's the reason there has been no stock of it here to speak of

since." It is lovely as to color, bears a big truss like a bunch of grapes, and is a wonderful keeper—the flowers hanging on longer than on any other rose.

There is a new sport here of the Lorraine begonia—unnamed as yet. It came from the Lonsdale "dark pink" Lorraine, is much more brilliant than its parent and even more floriferous, and is a tremendous keeper—the flowers hanging on in attractive form for months. If Lorraine be the best Christmas plant, and it is, then this variety is the best of all the Lorraines, and in a class by itself.

We were also shown the great new summer bedder—*Begonia luminosa*—the most brilliant of its class. At auction last year in New York it was eagerly snapped up at 25 cents a plant.

G. C. WATSON.

THE BOSKOOP EXPOSITION.

The bulidings for the exhibition of forced shrubs and perennials, which will be held at Boskoop (Holland), in April of this year, are almost finished. They will be heated free of charge by the Dutch Central Heating Company of Amsterdam, and in the evening illuminated by electric light. In the exhibition grounds there will be a post and telegraph office, and every hour there will be a passenger boat between Boskoop and Gouda, the nearest railway station. The honorary committee consists of 40 members. The number of exhibits promised amounts to five hundred, the number of novelties to more than a hundred and that of little known plants sixty or more.

PRICE LIST—EASTER 1911

COME AND SEE OUR STOCK

Any Buyer seeking quality will be well repaid by inspecting our large stocks of Crimson and Pink Ramblers, Hydrangeas, Lilies, Azaleas, Rhododendrons, Spiraeas, etc.

The late Easter will make absolutely no difference to us. Our plants will not be too forward as they are grown very cool.

Stock timed just right for Easter. Send us your orders at once to insure satisfaction.

LILIES—Our stock is exceptionally good this year.
Plants from 4 to 8 blooms.....12 cents per bloom
Made-up pans from 12 to 20 blooms.....12 cents per bloom
Plants with less than 4 blooms.....15 cents per bloom

AZALEAS

We have the largest and finest stock of Azaleas we have ever had, including Van der Cruyssen, Vervaeana, Emp. of India, Emp. of Brazil, Niobe, Bernard Andre Alba, Prof. Wolters, etc., 75c., \$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00, \$6.00, \$7.50 and \$10.00 each.

CRIMSON RAMBLER ROSES

These plants are unusually fine and will be just right for Easter.
6-inch and 7-inch pots.....\$1.00, \$1.25 and \$1.50 each
8-inch pots.....\$2.00 and \$2.50 each
Plants trained in fan and globular shapes, extra fine,
\$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each

PINK RAMBLER ROSES

Lady Gay and Dorothy Perkins. In great condition, trained into fan, globular and pyramidal shapes, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$3.50, \$4.00, \$5.00 and \$6.00 each.
Special Ball Shapes.....\$1.50, \$2.00, \$2.50, \$3.00 and \$3.50 each
Special Wire Fan Shapes.....\$3.00 and \$3.50 each
Standard Lady Gay, Umbrella Shape.....\$3.50 each

We want to call your attention to this Special Standard Lady Gay Umbrella, which we have in exceptionally fine condition. This, we believe, cannot be duplicated anywhere.

TAUSENDSCHON (New)—"Thousand Beauties."

This was our finest Climber last Easter and this year the plants are still better. We cannot recommend the Tausendschon Rambler too highly.

Strong plants in 6-in. and 7-in. pots...
\$1.00, \$1.25 and \$1.50 each
Trained Plants, Fan, Globular and Pyramidal shapes
\$2.00, \$2.50, \$3.00, \$3.50, \$4.00 and \$5.00 each

BABY RAMBLER STANDARDS

Exceptionally fine plants, 3 to 5-foot stems
\$1.00, \$1.25, \$1.50, \$2.00 and \$2.50 each

PINK BABY RAMBLER STANDARDS

\$1.00, \$1.25 and \$1.50 each.

BABY RAMBLERS

Good strong stock, well flowered.....

\$3.00, \$6.00 and \$9.00 per doz.

HIAWATHA—The best of its color.

6-inch and 7-inch pots, trained in globular and fan shapes,
\$1.25, \$1.50, \$2.00, \$2.50 and \$3.00 each

MRS. CUTBUSH (New)—Pink Baby Rambler.

This is a good one, in 6-inch pots....\$6.00 and \$9.00 per doz.

BABY DOROTHY (New)

Pink Baby Rambler, very similar to Mrs. Cutbush.
4-inch and 4½-inch pots.....\$4.00 per doz.
5-inch pots 6.00 per doz.
6-inch pots 9.00 per doz.

HYBRID ROSES.

We have an unusually large stock of Hybrids which will be just right for Easter; all the best varieties, including Richmond, Kaiserin, Killarney, etc., \$6.00 and \$9.00 per dozen.
Magna Charta, very fine, \$9.00, \$12.00, \$15.00 and \$18.00 per doz.

HYDRANGEAS

\$6.00, \$9.00 and \$12.00 per dozen.
Large plants\$1.50, \$2.00 and \$2.50 each
Hydrangea Otaksa, Standard (New)... 2.00, 2.50 and 3.00 each

RHODODENDRONS

Shapely, well-budded plants, including all the best varieties,
\$1.50, \$2.00, \$2.50, \$3.00, \$3.50 and \$4.00 each
A few larger plants in tubs, very handsome, \$5.00 and \$6.00 each

LILY OF THE VALLEY

5-inch pots.....\$6.00 per doz. 6-inch pots.....\$9.00 per doz

GENISTAS

A grand stock, grown cool and just right for Easter,
\$2.00, \$3.00, \$4.00, \$5.00, \$6.00, \$9.00, \$12.00 and \$15.00 per doz.

SPIRAEA GLADSTONE

Our stock is in superb condition.

6-inch pots.....\$0.50 each
7-inch pots......75 each
8-inch pots, made up..... 1.00 each
9 and 10-inch tubs, made up.....\$1.50 and 2.00 each

PINK SPIRAEA

Queen Alexandra, very beautiful.

6-inch pots\$9.00 per doz.

DOUBLE DAISY, Queen Alexandra.

Well grown and well flowered.

4-inch pots\$2.50 per doz.
5-inch pots 4.00 per doz.
6-inch pots, very fine.....\$6.00 and 9.00 per doz.

MARGUERITES

Very well flowered, 6-inch pots.....\$4.00 per doz.

NEPHROLEPIS TODEAOIDES

We have a large stock for growing on, in 2-inch pots,
\$5.00 per 100, \$45.00 per 1000
6-in. pots...\$6.00 and \$9.00 per doz. 11-in. tubs.....\$2.50 each

BOUGAINVILLEA GLABRA SANDERIANA

Magnificent plants, exceptionally well flowered,
\$3.50, \$4.00, \$5.00, \$6.00, \$7.50 and \$10.00 each

NEPHROLEPIS AMERPOHLII

The Philadelphia Lace Fern.

5-inch and 6-inch pots.....
\$6.00 and \$9.00 per doz.

NEPHROLEPIS WHITMANI

9-inch pots.....\$2.00 each

NEPHROLEPIS SCHOLZELI—Ready Now
2¼-inch pots..8.00 per 100, \$75.00 per 1000

ASPARAGUS PLUMOSUS

2-inch pots.....\$4.00 per 100

ARECA LUTESCENS

Exceptionally fine stock.

5-inch pots.....\$7.50 and \$9.00 per doz.

DRACAENA MASSANGIANA

Perfect plants, 6-inch pots.....
\$18.00 and \$24.00 per doz.

DRACAENA FRAGRANS

6-inch pots.....\$6.00 and \$9.00 per doz.

CROTONS

We have the largest stock of Crotons in America. Well colored plants.

4-inch pots\$25.00 per 100
5-inch pots 50.00 per 100
6-inch pots 75.00 per 100
Large plants\$1.00, \$1.25, \$1.50 and \$2.00 each
Made-up plants\$2.50 to \$10.00 each

PANDANUS VEITCHII

Well colored.

4-inch pots\$5.00 per doz., \$40.00 per 100

FICUS PANDURATA

6-inch pots, 24 to 36 feet high.....\$2.00, \$2.50 and \$3.00 each
Larger plants 3.50, 4.00 and 5.00 each
Branch plants\$2.50, 3.00, 3.50 and 4.00 each

BEGONIA GLOIRE DE LORRAINE

We claim to have the largest and finest stock of this grand Xmas plant in America. All plants propagated from leaves and twice shifted and shipped from 2½-inch pots, \$15.00 per 100; \$140.00 per 1000.

Special prices on lots of 5000 plants or over.

ROBERT CRAIG CO., 4900 Market St., Philadelphia, Pa.

Visit also our new establishment at Norwood, Pa. (12 miles out), which already adds fifty thousand area to our extensive facilities—and growing all the time.

Tuberous Rooted Begonias

In five separate colors—White, Scarlet, Crimson, Pink and Yellow—

SINGLE,	\$2 50	per 100	\$20.00	per 1000
DOUBLE,	\$4.50	" "	\$40.00	" "

GLOXINIAS

In four separate colors—White, Blue, Red, and Blue-bordered White.

\$4.50 per 100

Finest Mixed, all colors—\$3.50 per 100

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of the following varieties—first-class plants of exceptionally good value,—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. It has not reverted in the last four years.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$12.00 to \$18.00 per dozen; large specimens in 12 in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scotti does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$18.00 per dozen; extra fine specimens, 12-in. pans, \$5.00 each.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties, assorted,—*Pteris Mayii*, *Wimsetti*, *Adiantoides*, *Aspidium tsusimense*, *Cyrtomium falcatum*, etc.

Nice plants, 2 ¼-in. pots, \$3.50 per 100.

CROTONS

Fine assortment, well-colored. 5-in. pots, \$9.00 per dozen.

F. R. Pierson Company
TARRYTOWN-ON-HUDSON, NEW YORK

DREER'S DECORATIVE PLANTS FOR EASTER

SELECTED STOCK OF EXCELLENT VALUES

Areca Lutescens

Each
9 in. pots, bushy plants, 4 ft. high \$5.00

Cocos Weddeliana

2 1/2-in. pots, 6 to 8 in. high, \$1.50 per doz.
\$10.00 per 100
7-in. pots, 20 to 26 in. high, splendid specimens, \$2.50 each

Kentia Belmoreana

Height	Each
6-in. pots, 6 leaves, 24 in.	\$1.00
6-in. pots, 6 to 7 leaves, 30 in.	1.50
7-in. pots, 6 to 7 leaves, 36 in.	2.50
8-in. tubs, 6 to 7 leaves, 42 to 44 in.	4.00
8-in. tubs, 6 to 7 leaves, 48 in.	5.00
15-in. tubs, 7 to 8 leaves, 8 to 8 1/2 ft.	35.00
16-in. tubs, 7 to 8 leaves, 10 to 11 ft.	49.00
16-in. tubs, 7 to 8 leaves, 11 to 12 ft.	50.00

Kentia Forsteriana

Height	Each
6 in. pots, 6 leaves, 30 in.	\$1.00
7 in. pots, 6 to 7 leaves, 42 in.	2.50
8-in. tubs, 6 to 7 leaves, 45 in.	4.00
8-in. tubs, 6 to 7 leaves, 50 in.	5.00
9-in. tubs, 6 to 7 leaves, 5 to 5 1/2 ft.	8.00
10-in. tubs, 6 to 7 leaves, 5 1/2 to 6 ft.	10.00



KENTIA BELMOREANA

Kentia Forsteriana

MADE-UP PLANTS

3 plants in a tub	Each
8-in. tubs, 40 to 42 in. high.	\$4.00
8 in. tubs, 42 to 45 in. high.	5.00
9-in. tubs, 4 1/2 ft. high.	8.00
10-in. tubs, 5 ft. high.	10.00
12-in. tubs, 5 1/2 ft. high.	15.00
14-in. tubs, 6 ft. high.	20.00

Phoenix Canariensis

Each	
8-in. tubs, 36 to 40 in. high.	\$2.50
9-in. tubs, 42 to 46 in. high.	3.00
10-in. tubs, 46 to 48 in. high.	4.00
11-in. tubs, 48 to 52 in. high.	5.00
18-in. tubs, spec. plants, 8 ft. spread.	40.00

Phoenix Roebelenii

Height	Spread	Each
Specimens 6-in. pots, 1 1/2 ft., 2 ft.		\$2.00
Specimens 8-in. tubs, 2 ft., 2 1/2 ft.		5.00
Specimens 12-in. tubs, 2 1/2 ft., 3 ft.		12.50
Specimens 14-in. tubs, 3 ft., 4 1/2 ft.		35.00
Specimens 15-in. tubs, 3 ft., 6 ft.		50.00

For a Complete List of All Seasonable Stock, see our Current Wholesale List.
The above prices are intended for the Trade only.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

FLOWERING and FOLIAGE PLANTS FOR EASTER 1911

BOUGAINVILLEA SANDERIANA \$2, \$3 and \$4 each.
GARDENIAS IN POTS—fine and bushy, full of buds and flowers, \$1.50, \$2 and \$3 each; in 7 and 8 inch pots.
HYDRANGEA OTAKSA—very fine plants, \$1.50 to \$5 each.
EASTER LILIES—\$12 per hundred, short
GENISTA RACEMOSA—\$6 a dozen; larger \$1.50, \$2 each. Plants, \$10, per 100 flowers.
GIBBT AZALEA BUSHES 50c. to \$2 each.
" " " STANDARDS, \$1 and \$5 each.
" " " PYRAMIDS, \$1 and \$5 each.
AZALEA FIREFLY \$1, \$5, \$6 a doz. Larger plants \$9, \$12, \$18 a doz., for basket work.
AZALEA CHAS. ENCKE \$4, \$5, \$6 a doz.
LILY OF THE VALLEY, in pans, 50c., 75c. and \$1 each.
RHODODENDRONS \$1, \$1.50, \$2, \$3, \$4, \$5
ROSES—Wedding Bells, Crimson Rambler, \$1 to \$5 each.
" Everblooming Crimson Rambler (Flower of Fairfield) \$1 to \$5 each.
" Tausendschon, \$1 to \$5 each. Very fine pink.
ROSE BUSHES—Mme. Outbush, very fine pink, \$12, \$18, \$24 and \$30 per dozen.
" " Frau Carl Druschki, pure white, large, \$18 and \$24 a dozen; 7 to 9-inch pots.
" " Comet, single pink, white centre; 75c. to \$3 each; all shapes.
" " Dorothy Perkins, pink, \$1 to \$4 each.
" " Baby Dorothy, small pink baby rambler, \$9, \$12 and \$18 a dozen.
ARACARIA, Excelsa, \$6 and \$9 a doz.; a few large plants at \$2 each.
BRANCHED RUBBERS, with nice branches, \$1.50 and \$2 each.
CYBOTHUM SCHIEDDEI \$3 and \$3.50 each.
FERNS—Boston, 75c., \$1, \$1.50, \$2 and \$3 each.
" " Piersoni, \$1.50 each.
" " Schoelzeli, 50c. to \$3 each.
" " Scottii, \$1.50 and \$2 each.
PHOENIX ROEBELENI \$1 to \$2 each.
RHAPIS FLABELIFORMIS—\$3 to \$8 each.

The above plants are all in first class condition and will be fine for this Easter. Our terms are net cash with order please, or satisfactory references. Order early and get the best.

ANTON SCHULTHEIS
COLLEGE POINT, Queens Borough, N. Y.

EASTER STOCK

Lilies that can be shipped to you at any time that will be in just right for Easter, at 12 1/2 cents per bud.

Imported Hydrangeas, 6-inch, 6 to 8 heads, at \$1.00 and \$1.25; 8 inch, 8 to 12 heads, at \$1.50 to \$2.00 each; 9-inch, 10 to 20 heads, at \$2.00 and \$2.50 each.

Spireas three varieties and sizes at 35, 50 and 75 cents. Pink variety at \$50, \$75 and \$100 each.

Baby Rambler Roses, 3 1/2-inch at 20 cents; large bushy plants in 6-inch at 75 cents and \$1.00 each.

White Rambler Roses, 3 1/2-inch at 20 cents, 5-inch at 50 cents.

Hermosa and Souper Roses, 3 1/2-inch 20 cents, 4-inch 25 cents, 5-inch 50 cents each.

Cinerarias, 5-inch 25 cents each.

Bulb stock. We shall have 4, 5 and 6-inch pans of Hyacinths as well as Daffodils, and Paper Whites. Ask for our prices.

Besides other stock we shall have about 1,000 large 4-inch Geraniums and 400 or 500 5-inch ones in full bloom for Easter.

We have a few special things we will close out cheap for cash.

Violets, Princess of Wales, out of hench, \$2.50 per hundred for plants or 20 cents for the clumps.

Hydrangea Otaksa, 2 1/2-inch at \$5.00 per hundred.

Ask for our list of Ferns, Decorative Plants for Easter as we have a very large stock, also soft-wooded plants, including Coleus, Silver-Leaf Geraniums, Salvia, etc.

GEO. A. KUHL
Wholesale Grower
PEKIN - ILL.

A. LEUTHY & CO., BOSTON, MASS.

IMPORTERS AND EXPORTERS
FLORISTS

Wholesale Growers of Palms, Ferns, Ficus, Dracaenas, etc.
Decorative and Bedding Plants, etc., etc.



Areca lutescens
Cocos Weddelliana
Kentia Belmoreana
Kentia Forsteriana
Phoenix canariensis
Phoenix rupicola
Phoenix excelsa
Phoenix Roebelini
Caryota urens
Chamaedorea corallina
Latania Borbonica
Livistonia rotundifolia
Aralias
Anthurium
Allamanda
Araucaria
Aspidistras



Bay Trees
Box Trees
Dracaenas
Nephrolepis
Ficus elastica
Ficus pandurata
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2000 each Desjonis & M. Bonnaillon (sand)
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Asparagus Plumosus Seed

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TESTED SMILAX, 25cts. oz.

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Hardy, Old-Fashioned Garden Flowers
HYBRID TEA ROSES, AZALEAS,
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Madeira Vines, Lilies, Iris, Daphne
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500 bbls. Dahlias still unsold,
400 varieties. 200 bbls and kinds
in clumps, balance divided. Send
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200,000 Gladiolus in mixtures.
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Clean and odorless.
Forms invisible films.
Non-corrosive.
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Single gallons, \$1.50
In barrels, \$1.00

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The National

It will be an impressive demonstration of the up-to-date advancement of a single feature of the past ten years' development can excel in it. The Orchid as a florists' flower. There are of course many whys for this taken by **McManus, the Original Enthusiastic and Per-**



I Am Still At It!

Write me now and I shall be glad to tell you what I can do for you so that you can advise your customers of your ability to supply an Easter stock of cut flowers which no competitor can match.



I am the largest dealer and shipper of Orchid Flowers in the East. I have Schrodераe and Gigas; Dendrobiums Nobile in variety, Wardia in various species; Cymbidiums, Coelogynes, Oncidiums, Laelia in various species and varieties. Among my other specialties which can be seen at the **McManus**, Sweet Peas, Daisies white and Yellow, W.

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Wholesale Florist



Flower Show

ment of flower culture and the florists trade in America. But no
 portance the remarkable growth in the appreciation and use of the
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Order Now for Easter

¶ Insure a prosperous spring season by starting off right. You'll find that the best buyers will flock to you all through the season of weddings and gaiety if you carry **McManus Specialties**.



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 m and Formosum Giganteum; Phalaenopsis and Cypripediums
 cepts and, in lesser quantity, many other rare and beautiful
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Orchids, Palms, Bays and Box Trees

Stove Plants, Begonia Lorraine

Cyclamens and Easter Novelties

THE "MARKET VALUE" OF ORCHIDS

A Duty for Revenue Only.

There is a duty on orchids, not for protection, but for revenue. It is well to start by affirming that commercial orchids do not grow in the United States. The tariff is dry and sweet. It says: "Par. 263—Orchids—25 per cent." This means 25 per cent. ad valorem, and here is the difficulty. "It is the duty of the appraiser by all reasonable ways and means in his power to ascertain, estimate and appraise the actual market value, and wholesale price of the merchandise at the time of exportation to the United States in the principal markets of the country whence the same has been imported."

It is natural that the market value assigned to the plants under no circumstances shall be less than the cost price. For many years a standard price has been charged for cattleyas, and a standard case is considered to contain forty plants. Cases of cattleyas are generally of 32x20x20 inches in size.

Varying Values.

Duty is paid on the accepted value. This appears simple enough, but frequently the appraiser finds that all plants are not invoiced at the same price; that two importations of labiatas, for instance, are valued differently, although they come from the same port and on the same ship, and that perhaps the plants valued at the least price are the best. How can this

be possible? Either one of the importers is a fool and puts a high value on his plants for the sake of paying duty, or the other is beating Uncle Sam. Apparently it seems just to raise the value of the plants invoiced at the lower figure—much more so if the plants are better.

This difficulty shows itself to a much more marked extent when the importations of orchids are made from England. The American firms have to buy in the market and pay the profit of the English merchant, which is generally large; then the duty has to be paid on this price, and in selling the plants in the United States, the dealer has to charge for the duty paid and for the risk he has had in handling such perishable goods. When he goes to sell his plants he finds that he is undersold by the representatives of the English firms, and his customers ask him why it is that he cannot sell as cheap as his foreign competitor.

Disadvantages of American Dealers.

Let us do some figuring. Suppose we buy a certain plant and pay four shillings for it. We have to pay twenty-five cents duty on every plant, dead or alive. The same firm has a representative in the United States and makes a shipment to him, of the same plants, invoicing them at what they claim is the cost price to them, say twenty cents. That firm pays a duty of five cents, and so has an advantage of twenty cents over the American

competitor. Twenty dollars in a hundred plants or two hundred in a thousand gives the foreign firm room to undersell and put out of business any American competitors. This also seems unfair, but when the Custom House officials are approached on the subject, they answer, "There is no remedy for it, that is the law." The only protection the American firms have is to put up the goods and make a very small profit.

About Collectors.

Let us go back to the imported cattleyas. The ways to get the plants are different, and from this, the difference in prices arises. Some firms have their own collectors. Some collectors are themselves dealers, and some firms buy from dealers or collectors. The collectors do not all deal in the same way. Some of them bring the plants to New York and sell them around, while others take orders and sell their plants F. O. B. at the port of shipment. This as far as the business in the United States is concerned.

The next difficulty comes from the way in which the collector collects. Some collectors collect all their plants, other collectors gather some themselves and buy the others from collectors that have gone broke, or from native dealers. In this way, it is rare that the same price is paid for the same plant by two of them.

But by far the greatest variation in the price of the plants comes from

ORCHIDS

Our Importations of *Cattleya Trianae*, *Labiata*, *Gigas Sanderiana* and *Schroederæ* are on the way.

Later on we will receive *Cattleyas Mossiae*, *Gaskelliana*, *Percivaliana*, *Warnerii*, *Dowiana*, etc., also *Dendrobium Formosum*, *Laelia Purpurata*, *Oncidium Varicosum*, and several others.

We collect and import nothing but the choicest of plants. No greater mistake can be made than to buy cheap Orchids. We specialize in supplying the Trade.

Write Us

CARRILLO & BALDWIN
MAMARONECK, N. Y.

the quality of the goods and the ability of the collector. Two collectors may be working close by each other, and one of them is paying half the price the other is paying for the same plants, and the assertion that at times the fellow who pays the lower price gets the best plants, sounds like a yarn. In the first place, if two collectors work in the same district, and one of them gets the cheap plants, the man who pays more gets the pick. In the second place, a collector may be buying rubbish at a high price, while the other fellow discovers a new district and picks and chooses, for half or one-third of what the other is paying. So, in orchids, it is not the price paid at the markets what makes quality, but the ability of the collectors. How can it then be possible to fix a market price for orchids?

Collecting or Buying?

The firm that employs its own collectors risks its money, as there are many enemies of orchids. The firms that buy from dealers risk nothing. They pay if the plants reach them in good condition and therefore have to pay for them a much higher price. This explains why plants of the same variety, on the same steamer, are invoiced at different values. One firm collects them, the other buys them; naturally, they pay different prices.

Now there is another question. If the firms that buy their plants from dealers invoice them at the standard value, apparently they are beating Uncle Sam, but if they would invoice the plants at the price they pay F. O. B. at the port of shipment, they would be undersold by the firms that have

their own collectors, or by the collectors themselves.

Again, the collector sells his plants at a much higher price than the one they are invoiced at. If he sells F. O. B. Colombian, Brazilian, or Venezuelan ports, the invoice is made at the standard value and duty is paid on it. Should it be done otherwise, all the firms would be forced to have their own collectors, and all the collectors would have to establish a place of business in New York, a thing that would put some people out of the business at once. So, it is self-evident that the standard price is the only solution of the difficulty.

Of course, all the plants do not cost the same price; besides, some of them come from inaccessible districts, and it is necessary to transport them for long distances on the backs of men or mules; others grow near big navigable rivers, and transportation is far easier. But, again, the same trouble arises; some people pay less than others for transportation, and the very same plant is collected at different places, which makes this item vary in an appreciable way.

No doubt a man of great experience can give an approximate value of transportation, and price of every commercial orchid, but this is not an easy job and some injustice might be done. Very few experts are living who would distinguish the cattleyas when imported, and who could pick them out and give their proper name. Some of them resemble another as a drop of water resembles another drop of water, although they are of different varieties.

COLLECTOR.

ORCHIDS

Visit us at the National Flower Show, Mechanics B'ld'g, Boston, Mass.,
March 25—April 1, 1911

We will have on exhibition a lot of Orchid plants that may interest you.

We have on hand at present a few hundred **Calanthe Veitchii** bulbs which we offer for immediate delivery. Write for prices.

LAGER & HURRELL
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Guaranteed true type, good strong plants

JOHN DE BUCK

will be back from collecting plants in South America in Spring.

C. TRIANA, C. GASKELIANA, C. SCHROEDERAE C. SPECIOSISSIMA, C. MENDELLI, DENDROBIUM FORMOSUM, C. GIGAS, C. MOSSIAE, PHALAENOPSIS

For prices write

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PLANTS and FLOWERS always on hand
ORDONEZ BROS.
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ORCHIDS

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SANDER, St. Albans, England
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New stock, long and clean, in 5 and 10 bbl. bales burlapped.

ROTTED and FIBROUS PEAT

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Write for prices and catalogue.

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NATIONAL FLOWER SHOW

Boston, March 25th to April 1st

You ought to be there. We will be there.
Our exhibit is in the balcony near the convention hall, where all the meetings are held.
We are there for your convenience.

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12 and 13 Faneuil Hall Sq., or 26 and 27 South Market St.

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OSMUNDA FIBRE (Orchid Peat)

¶ To obtain satisfactory results in growing Orchids, the first essential is a good quality of fibre. Take no chances, use only the best, collected by the largest and best known specialists in this line.

¶ Write to us at once for Price List and Samples.

¶ First class certificate of merit Boston Orchid Show 1910.

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All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
Marigolds, Gourds.

VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
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Lawn Grass and Clover Seeds, Best
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Dahlias, Tuberoses, Gladioli, Tuberous Begonias
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Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

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LEONARD SEED CO.

PRODUCERS AND
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ONION SETS
Write Us for Prices

Largest Growers of Peas Beans and Garden
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W. KINZIE STREET CHICAGO

Francis Brill Choice Seeds

— GROWER and DEALER —
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For Gardeners, Truckers and Plant Growers

Long Island Cabbage Seed, Cauli-
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Price Lists Free Quality Finest Wholesale and Retail

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Price list free on request.

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For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
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NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed,
per ounce 50c.; Verbena Mammoth
in colors or mixed, per ounce 60c.;
Salvia Splendens, per ounce \$1.25;
Bonfire, per ounce \$2.00; Cobaea
Scandens, Stocks, Lobelia, etc. Write
for wholesale catalogue.

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Seed Merchants and Growers, 114 Chambers St., City

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality
at both our Orange, Conn., and New York
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For Florists and Market Gardeners.

All highest grade.

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BEGONIAS

Begonia Glorie de Lorraine, Begonia
Lonsdale, \$15.00 per 100, \$140.00 per
1000.

Begonia Glory of Cincinnati, \$25.00 per
100, \$200.00 per 1000, 250 at 1000 rate.
Strong 2½ in. pot plants, twice trans-
planted. No better stock obtainable.
Place your order early to insure May
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Absolute satisfaction guaranteed.
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Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.00. Mr. C.
E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910,
writes as follows: — I want to state that your three
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Importers and Wholesalers. Established for 92 Years.
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MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of
field corn. Write for wholesale prices.

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Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

ONION SEED—ONION SETS

We are extensive growers and dealers.
Write for prices on the 1910 crop. We are
also submitting contract figures for the
1911 crop of Onion Seed.

SCHILDER BROS., CHILlicothe
OHIO

Seed Trade

Mail Order Trade Light.

The mail order trade for March has fallen rather below expectations. January and February were said to be very good and it is quite possible the last half of this month may make up for the rather unsatisfactory first half. Counter trade has not assumed any very active proportions as yet, excepting in the Southern States. There is of course more or less business every day, but the height of the season has not yet been reached. March as a whole up to this time has not been as warm or spring-like as the same month last year, which probably accounts to some extent for the backwardness of counter trade.

Potatoes and Onion Sets.

Seed potatoes seems to be somewhat in the class with onion sets and both are on the decline, or rather they have been on the decline for some time, and the latter at least can hardly go much lower unless they are given away. Those dealers who are heavily interested in these two lines must have had a very unsatisfactory time of it for the past two seasons, as prices have had several bad sinking spells towards the close of the season.

Unsatisfactory Stock Situation.

As the time approaches for "fill-in orders" the trade begins to realize how badly broken stocks are this year, and how many crop failures are to be charged against 1910. We are informed that one of the leading jobbing houses is finding it difficult to supply a large percentage of the items, which are coming to them almost every day. Common standard varieties, which are supposed to be nearly always carried in surplus by the leading wholesalers are not procurable this year at any price, and of course the retail houses are disappointed and very much dissatisfied with the present situation. There is no help for it, however, and it is earnestly hoped that the general crop situation of 1911 will show a marked improvement over that of 1910.

Seed Houses, New and Old.

We are informed that one and possibly two new seed firms are to be launched in Baltimore. They have not as yet been formally incorporated. We have good reason to believe that at least one of them will be an accomplished fact within the next ten days. Regarding the other, we have not sufficient information to justify us in any comments. In this same connection we may add that we also have information that one of the old-established houses in Baltimore is about to be reorganized or liquidated; which it will be, will not be known for several months yet, but we believe it is safe to say that important changes are about to take place in the concern referred to.

The Holmes Seed Company of Harrisburg, Pa., seems to be experiencing considerable trouble with fires. This concern had most of its stock and fixtures destroyed in November last, principally by water, but about as effectively wiped out as though they had

been burned. In this instance the fire started in the adjoining store, while very recently fire started in a stable in the rear of their storage warehouse, causing them a loss of several hundred dollars by water. They seem to have had their full share of this sort of entertainment for one year, and it is hoped that neither they, nor any of our other friends will experience any further trouble from this cause.

Embarrassing the Late Ones.

We remarked in these columns some weeks ago that most of the pea and bean growers were contracted about to their capacity of the 1911 crop, and we have since been reliably informed that many of them have turned down thousands of dollars' worth of business because they could not consistently accept it without imperiling their deliveries in case of a crop shortage the coming year.

We are informed that one concern claims to have turned down business amounting to nearly \$100,000. It really looks as if the late comers this year will have to sit on the mourners' bench, and regret their tardiness in placing their orders. Those who get on to the job early rarely have occasion to regret it, while the tardy ones frequently do.

We are informed that Mr. and Mrs. Jerome B. Rice are still at Hot Springs, Ark., but are expected home about the middle of April. His many friends in the trade will hope that this veteran seedsman has been able to find the benefits to his general health as well as his rheumatic troubles, which he has been seeking the past winter.

STRAY LAMBS.

"And the sun came up like thunder
On the road to Mandalay."
—Kipling.

"Has a duck got eyebrows."
—Puddenhead Wilson.

Twelve Canterbury pilgrims arrived in Philadelphia on St. Patrick's and stayed over to Shela's day. Some had staff, some had scrip, but most of them depended on the Purse Bearer. Whatever their wives had allowed them for a red-hot time in this land of plain living and high thinking was blown in among the Quakers. They had stayed just two hours after they got off the steamer in New York—then ho for Philadelphia!

At 7.20 P. M. they were met at the Collonade by a committee consisting of George W. Kerr of Burpee's and regaled at Kugler's. By and by Howard M. Earl came around from the St. Patrick banquet at the Bellevue-Stratford and added much to the eclat of the occasion.

The next morning they were given an auto trip through the city and environs and at noon a reception took place at the Burpee seed warehouses. Mrs. Burpee graced the occasion with her presence and was ably seconded by Mrs. Vincent, wife of the vice-president of the Society of American Florists. Mr. and Mrs. Vincent had met the party at New York and took a fatherly and motherly interest in the pilgrims' progress from the start. Then came the Burpee dinner at the Harris Club. Congressman Irving P. Wanger represented the State of Pennsylvania; Samuel S. Pennock rep-

resented William Penn; H. Bayersdorfer had a keen eye on the business end and Howard M. Earl was watchful for the spoons. George W. Kerr—poor orphan—refused point blank to go back home on the Lusitania, April 5. Seems to be having a good time in America. Sad thing about old Coila!

"Of all the sons that ever leave her
De'il a one goes ever back!"

W. Atlee Burpee made the speech of his life. J. S. Brunton (Purse Bearer) returned thanks. His well turned phrases were polished and irreplicable and it makes me mad to think he isn't an American citizen. He is smart enough to be one. I think he is of the same breed as the Pilgrim Fathers, who landed at Plymouth Rock:

"First they fell upon their knees
And praised the Lord
And then got up with fire and sword
And fell upon the Aborigines."

If Mr. Brunton can moult the time tables long enough to give other matters his attention we would advise the unannexed to get down into the cyclone cellar.

J. Brown, Stamford, said some nice things about Alexander B. Scott, Howard M. Earl and George W. Kerr. Everybody seemed to like him. C. Engelmann, F. R. H. S., is a man after my own heart. He talks it right out—what he thinks of the country and its people and "who's who" and "what's what" 24 hours after he lands. I'm afraid I was just such another 27 years ago. So there's a job on for yours truly—all right. And won't I be de-lighted!

Score one more for Burpee. Whenever anything has to be done as a trade courtesy in Philadelphia Burpee is the man who never fails us. What he does is always just the right touch,—neither overdone nor underdone, and all with distinction and in the best of taste.

On Sunday morning—after a trip to New York to attend the Florists' Club dinner, the visitors were taken by J. Otto Thilow to the new Dreer establishment at Riverview and thence by auto to the main Dreer establishment at Riverton. Here the 13 acres of glass—the biggest general plant factory in the world—was an eye-opener for the strangers. Messrs. Eisele, Strohlein, Clark, Sim and various other officers of the company were indefatigable in the role of reception committee. A luncheon was served and the speeches that followed from both hosts and guests, although brief, were both hearty and witty.

Monday morning the visitors left Philadelphia for Baltimore, Washington and the West.

GEORGE C. WATSON.

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York

ARE You Now In the Midst of Your Garden Plans ?

Here are some hints that you may profit by.
Our 1911 Catalogue is worth reading.

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We carry a full line of carefully tested Flower and Vegetable Seeds. Our importation of Spring Bulbs and Tubers were purchased after personal selection.



New and Improved varieties for the Vegetable Garden are our specialty.

Bedding Plants of every description grown especially for us.

Lily-of-the-Valley, both cold storage and in clumps, Dahlias, Gladioli, Cannas, Gerberas, Gloxinias, Caladiums, Tuberous-Rooted Begonias.

In fact, Everything that an Up-to-Date Seedsmen should carry.

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NEW YORK

To Be Successful Sow In March

We are in the front rank for all the latest and most up-to-date Winter-Flowering and Spencer Sweet Peas, and made a specialty of this grand annual. Our collection has been thoroughly revised, synonyms and out-of-date varieties have been eliminated, wherever practical, and only those of real merit retained. When you stop to consider that there are nearly six hundred named varieties, you will doubtless miss some old favorite that you have known. No doubt we could procure you this variety; we could certainly send a variety equally as good.

The Spencer or Orchid-flowering types are exceedingly popular and all the varieties that we offer can be relied upon to come true to color and description. The "Unwins" are all good, and many grandiflora varieties are still holding their own.

If collections are wanted for exhibition purposes, we shall be glad to make suggestions.

NOVELTY SWEET PEAS

Maud Holmes

Sunproof Crimson Spencer (Holmes, 1910). This is undoubtedly one of the finest novelties of recent introduction; flowers are of the largest size, three and four to a spray, carried on long stems, of brilliant crimson, and blooms are of the true Spencer type, both standard and wings being well waved. This variety will not burn under the hottest sun, is of vigorous and strong growth. The stock is fixed as is shown by The National Sweet Pea Society's trials in England. Pkt. 15 cts., 4 for 50 cts. (See illustration.)

Doris Burt

(Unwin, 1909.) The color is a most brilliant light scarlet, slightly shaded cerise. For exhibition or table decoration it is excellent, and is quite the best of its class. Pkt. 15 cts., 4 for 50 cts.

Mrs. Hugh Dickson

(Dobbie, 1909.) A cream-pink Spencer on buff ground, very fine form; flowers well placed on long stems. Award of merit, N. S. P. S., 1910. Pkt. 15 cts., 4 for 50 cts.

Emily Eckford Spencer

The flowers are of good form, waved and of the true Spencer type. They are a rosy purple self color at opening, but turn bluish purple as they reach full expansion. It is similar to Tennant Spencer, but without any suggestion of magenta what variation there is in the flowers is toward blue. Pkt. 15 cts., oz. \$1.25, 1/4 lb. \$4.00.

Rose du Barri

This new grandiflora affords an entirely new shade in Sweet Peas. The name itself suggests the color, which is a lovely combination of deep rich, carnation-rose and orange. It is unique and distinct, a charming flower of deep rose color, overlaid with a lovely sheen of terra cotta. Foliage and haulm very dark green. One of the best decorative Peas ever introduced. For artificial light it is unsurpassed. Pkt. 15 cts., 4 for 50 cts.

Ethel Roosevelt

Is a true waved variety of the largest and most perfect Spencer type. The ground color is a soft pleasing primrose, or straw color, overlaid with dainty flakes and splashes of bluish-crimson. The crimson is not at all pronounced and simply gives some warmth and golden tinting to the yellowish ground work. Pkt. 15 cts., 4 for 50 cts.

Florence Nightingale

The flowers are truly magnificent and of immense size. The standard is unusually large and bold, pronouncedly waved, yet standing erect and broad, frequently measuring two inches across. The color is most charmingly soft and yet rich lavender, which is enlivened by a very faint sheen of rose-pink. It is practically a self color and bunches beautifully. Pkt. 15 cts., 4 for 50 cts.

Masterpiece

(Malcolm, 1908.) The color of the flower is a rich lavender, of true Spencer type, flowers very large, well waved, remarkably free-flowering. Award of merit, N. S. P. S., 1910. Pkt. 15 cts., 4 for 50 cts.

Tuckwood Favorites

A superb mixture of pedigree Spencer hybrids, being the results of hybridization and trials of Mr. Robert Holmes, the English Sweet Pea specialist, and containing a great assortment of colors. Varieties and colors will be found in this collection hitherto unknown, and many surprises will be in store for growers of this grand Tuckwood mixture. Pkt. 15 cts., oz. 60 cts., 1/4 lb. \$2.00, 1 lb. \$7.50.

Queen Victoria Spencer

The flowers are extremely large, of the true waved Spencer type, and have a most pleasing color effect.

The background is quite a deep primrose, flushed with rose. The flowers are all of good substance, borne three and four to the stem. The strong dark green stems carry well the gigantic flowers. Pkt. 15 cts., oz. 25 cts., 1/4 lb. 75 cts., 1 lb. \$2.50.

Collection, one packet each of the above 10 varieties, for \$1.25

Sweet Pea Maud Holmes (Spencer)

Collection, one packet each of the above 10 varieties, for \$1.25.

ARTHUR T. BODDINGTON,

Boddington's Quality Sweet Peas

INCLUDING ALL THE SUPERB SPENCER VARIETIES

If you are an up-to-date florist you should include these varieties in your order.

At the exhibition of the National Sweet Pea Society of America, held at the American Museum of Natural History, New York City, July 12 and 13, 1910, we were again awarded the C. C. Morse Co.'s **SILVER CUP** for the finest collection of Sweet Peas. Open to the trade only.

	Per lb.	Per ¼ lb.	Oz.		Per lb.	Per ¼ lb.	Oz.
AGNES JOHNSTON, light pink and clear pink	\$0.30	\$0.10	\$0.05	LADY GRISEL HAMILTON, lavender and mauve	.50	.15	.10
*AMERICA SPENCER, striped and mottled	3.00	1.00	.35	LOTTIE ECKFORD, lavender and mauve, picotee-edged	.30	.10	.05
*APPLE BLOSSOM SPENCER, rose or pink and white	2.50	.75	.25	LORD NELSON, violet and indigo	.30	.10	.05
*ASTA OHN SPENCER, lavender and mauve	2.00	.75	.25	*MARIE CORELLI, rose-crimson	5.00	1.50	.50
*AURORA SPENCER, striped and mottled	5.00	1.50	.50	MID BLUE, blue and purple	3.00	1.00	.35
BOLTON'S PINK, orange-pink, etc.	.30	.10	.05	MILLIE MASLIN, crimson-scarlet	2.50	.75	.25
BLANCHE FERRY, EXTRA EARLY, rose or pink and white	.25	.10	.05	MISS WILLMOTT, orange-pink, etc.	.30	.10	.05
*BLANCHE FERRY SPENCER, rose or pink and white	2.50	.75	.25	MONT BLANC, pure white	.75	.25	.10
BLACK KNIGHT, maroon	.50	.15	.10	MRS. GEO. HIGGINSON, JR., lavender and mauve	.25	.10	.05
*BLACK KNIGHT SPENCER, maroon	2.50	.75	.25	MRS. ALFRED WATKINS, light pink	.50	.15	.10
BURPEE'S EARLIEST WHITE, pure white	1.50	.40	.15	*MRS. SANKEY SPENCER, pure white	1.75	.50	.20
*CAPTAIN OF THE BLUES SPENCER, blue and purple	2.00	.60	.25	*MRS. RUTZAHN SPENCER, light pink, buff and pink	3.00	1.00	.35
COUNTRESS OF POWIS, orange-pink, etc.	.75	.25	.10	MRS. COLLIER, pale yellow and primrose	.30	.10	.05
*COUNTS SPENCER, TRUE STOCK, light pink shades, etc.	.75	.25	.10	MRS. WALTER WRIGHT, mauve and blue	.50	.15	.10
*COUNTS SPENCER HYBRIDS MIXED, mixed	1.00	.25	.10	*MRS. WALTER WRIGHT SPENCER, mauve and blue	2.50	.75	.25
DAINTY, light pink shades, etc.	.30	.10	.05	NAVY BLUE, violet and indigo	.30	.10	.05
*DAINTY SPENCER, light pink almost white	5.00	1.50	.50	*NORA UNWIN, pure white	.75	.25	.10
DUKE OF WESTMINSTER, blue and purple	.30	.10	.05	*OTHELLO SPENCER, maroon	2.50	.75	.25
DOROTHY ECKFORD, pure white	.30	.10	.05	*PARADISE, light pink shades, etc.	.50	.15	.10
EARLIEST OF ALL, rose or pink and white	.75	.25	.10	*PHYLLIS UNWIN, light pink, buff and pink	.75	.25	.10
EARLIEST SUNBEAMS, pale yellow or primrose	.75	.25	.10	*PICOTEE, light pink, almost white	5.00	1.50	.50
*E. J. CASTLE, rose-crimson	.50	.15	.10	*PRINCESS BEATRICE SPENCER, light pink, buff and pink	1.75	.50	.20
*EVELYN BYATT, orange-pink, etc.	.50	.15	.10	*PRINCE EDWARD OF YORK SPENCER, orange-pink or salmon	4.00	1.25	.40
*ENCHANTRESS, light pink shades, etc.	1.00	.35	.15	PRINCE OLAF, violet, feather-white	.75	.25	.10
FLORA NORTON, blue and purple	.30	.10	.05	*PRIMROSE SPENCER, pale yellow or primrose	1.50	.50	.20
*FLORA NORTON SPENCER, blue and purple	3.00	1.00	.35	PRIMA DONNA, light pink and clear pink	.30	.10	.05
*FRANK DOLBY, lavender and mauve	1.25	.40	.15	PHENOMENAL, lavender and mauve, picotee-edged	.50	.15	.10
*FLORENCE MORSE SPENCER, light pink and clear pink	1.50	.40	.15	QUEEN ALEXANDRA, crimson-scarlet	.50	.15	.10
*GAITY SPENCER, striped and mottled	3.00	1.00	.35	*QUEEN ALEXANDRA SPENCER, crimson-scarlet	4.00	1.25	.40
*GEORGE HERBERT, light pink shaded deeper pink	1.00	.35	.10	QUEEN OF SPAIN, light pink, buff and pink	.30	.10	.05
*GEORGE STARK, crimson-scarlet	.50	.15	.10	QUEEN VICTORIA, pale yellow or primrose	.30	.10	.05
*GLADYS UNWIN, light pink shades, etc.	.50	.15	.10	*RAMONA SPENCER, striped and mottled	1.50	.50	.20
HELEN PIERCE, violet, feathered white	.50	.15	.10	RAMOLO PIOZANNI, mauve and blue	.30	.10	.05
*HELEN LEWIS, orange-pink, etc.	1.00	.35	.10	*RUBY SPENCER, crimson-scarlet	3.00	1.00	.35
HENRY ECKFORD, orange-pink	.50	.15	.10	*SATIN QUEEN SPENCER, deep primrose and satin pink	5.00	1.50	.50
HONORABLE MRS. KENYON, pale yellow or primrose	.30	.10	.05	*SENATOR SPENCER, striped and mottled	5.00	1.50	.50
*JUANITA SPENCER, striped and mottled	2.50	.75	.25	*SNOWFLAKE, pure white	2.50	.75	.25
*JOHN INGMAN, rose-crimson	1.50	.50	.15	STELLA MORSE, light pink and primrose	.30	.10	.05
JEANNIE GORDON, rose or pink and white	.50	.15	.10	SHAZADA, maroon	.30	.10	.05
KATHARINE TRACY, light pink and clear pink	.30	.10	.05	*SAINT GEORGE, crimson-scarlet	1.50	.50	.20
*KING EDWARD SPENCER, crimson-scarlet	2.50	.75	.25	*SUTTON'S QUEEN, light pink, buff and pink	2.00	.75	.25
KING EDWARD VII, crimson-scarlet	.75	.25	.10	*TENNANT SPENCER, mauve and blue	2.50	.75	.25
LOVELY, light pink shades, etc.	.30	.10	.05	WHITE WONDER DOUBLE, pure white	.30	.10	.05
*LOVELY SPENCER, light pink, buff and pink	2.50	.75	.25	*WHITE SPENCER, pure white	1.50	.50	.20
				*W. T. HUTCHINS, light pink, buff and pink	2.50	1.00	

Those marked with a (*) are Countess Spencer or Unwin type.

BODDINGTON'S QUALITY MIXTURE OF SWEET PEAS

Containing all the leading and most distinct varieties of Sweet Peas in commerce. This mixture is made by ourselves and great care is taken not to have a preponderance of any color or variety. It is truly, and indeed a mixture. ¼ lb., 10c.; ½ lb., 15c.; 1 lb., 25c.; 5 lbs., \$1.00; 100 lbs., \$18.00

COUNTRESS OF SPENCER HYBRIDS In splendid mixture. Customers who are at a loss what varieties to buy will find this mixture a most satisfactory way to have the "E pluribus unum" of this lovely flower. Oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.; 10 lbs., \$7.00.

All Our Sweet Peas are re-selected, not ordinary stock. Remember you may deduct 5 per cent if cash accompanies the order.

See our Florists' Catalogue for Quality Seeds, Bulbs and Plants, mailed free. For Cannas see our adv., page 285 March 4 issue of Horticulture.

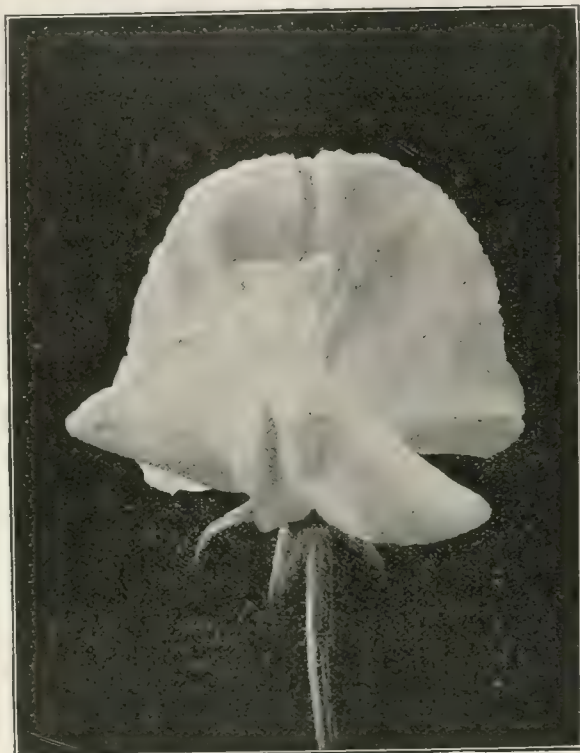
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W. 14th St.

MICHELL'S "Distinctive" Sweet Peas

"Distinctive" in Quality

"Distinctive" in Purity

"Distinctive" in Germination



List of Standard Sorts

WHITE

	Oz	¼lb.	Lb.
Blanche Burpee. Large; pure white	\$0.05	\$0.10	\$0.25
Dorothy Eckford. Extra large white	.05	.10	.30
Emily Henderson. Pure white	.05	.10	.25
Mont Blanc. Early; pure white	.05	.10	.35
White Wonder. Many flowered white	.05	.10	.30

PRIMROSE AND YELLOW

Hon. Mrs. E. Kenyon. Primrose yellow	.05	.10	.25
Stella Morse. Primrose, flushed pink	.05	.10	.30

ROSE AND PINK

Apple Blossom. Bright rose and pink	.05	.10	.30
Blanche Ferry. Pink and white	.05	.10	.25
Blanche Ferry (Extra Early)	.05	.10	.25
Earliest of All. Pink and white	.05	.10	.30
Janet Scott. Deep pink	.05	.10	.25
Katherine Tracy. Soft but brilliant pink	.05	.10	.25
Lovely. Soft shell pink	.05	.10	.25
Prima Donna. Lovely soft pink	.05	.10	.25
Prince of Wales. Rose crimson	.05	.10	.25
Royal Rose. Deep rosy pink	.05	.10	.25

ORANGE AND SALMON

Henry Eckford. Salmon orange	.05	.10	.30
Miss Willmott. Deep orange pink	.05	.10	.30
Venus. Salmon buff, shaded pink	.05	.10	.25

CRIMSON AND SCARLET

Coccinea. Cherry red	.05	.10	.30
King Edward VII. Crimson scarlet	.05	.10	.30
Queen Alexandra. Large scarlet	.05	.10	.30
Salopian. Scarlet	.05	.10	.25

LAVENDER

Countess of Radnor. Pale lavender	.05	.10	.25
Lady Grisel Hamilton. Pale lavender	.05	.10	.25
Mrs. Geo. Higginson, Jr. Lavender	.05	.10	.25
Mrs. Walter Wright. Deep mauve	.05	.10	.30
Flora Norton. Delicate lavender	.05	.10	.30

MAROON

Othello. Very dark maroon	.05	.10	.25
Black Knight. Maroon	.05	.10	.25

STRIPED AND MOTTLED.	Oz.	¼lb.	Lb.
America. Blood red, striped on white	\$0.05	\$0.10	\$0.25
Aurora. Orange rose, striped on white	.05	.10	.25
Lottie Eckford. White shaded and edged with lavender	.05	.10	.25

BLUE AND PURPLE

Captain of the Blues. Standard light purple, wings lavender	.05	.10	.30
Countess Cadogan. Reddish mauve, wings of violet blue	.05	.10	.30
Duke of Westminster. Standard clear purple, wings violet	.05	.10	.25
Navy Blue. Deep violet blue	.05	.10	.25

Sweet Peas in Mixture

Michell's Gilt Edge. Eckford's large flowering. Per 10 lbs., \$2.50	.05	.10	.30
Michell's Magnificent. Composed of large flowering varieties, a large percentage of which are of the lighter colors and shades. Per 10 lbs., \$4.50	.05	.15	.50

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
All Visitors to the National Flower Show at Boston are made welcome at our Headquarters, which are located on the Balcony leading to the Convention Halls COME AND MEET OUR REPRESENTATIVES.

HENRY F. MICHELL CO.
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THE "SPENCER" TYPE OF SWEET PEAS

Burpee's Special Re-selected Stocks for 1911.

"SPENCER" SWEET PEAS are a great specialty with us! We were the first to grow the seed in America—the stock having been entrusted to us before introduction, even in England, of the original Countess Spencer. We have grown "the original Beauty" and its many "sportive" children with painstaking care each season since. There are but few other growers who can supply an equal assortment of True RE-SELECTED "SPENCERS" that are uniformly of such choice quality. Seedsmen and Florists can see how superior our stocks now are by the trials at FORDHOOK FARMS next June or July, while those who may be in California are invited also to inspect the growing crops at our FLORADALE FARM in the beautiful Lompoc Valley. Every planter's garden, however, is really a trial ground and we shall be quite content if any "Doubting Thomas" will send us only a portion of his order and note the difference in character of flowers produced!

 You can buy so-called "Spencer" Sweet Peas at half our prices—but the result will be only disappointment—and when in flower you will surely admit that you would gladly have paid even double our prices to have had the BURPEE-QUALITY of the TRUE SPENCER TYPE!

	Per pkt	Per oz	Per 1/4 lb	Per lb
3131 America Spencer. Red flakes on white ground.....	\$0 15	\$1 00		
3133 Asta Ohn. A charming soft lavender.....	10	25	\$0 75	\$2 50
3134 Apple Blossom Spencer. Of same coloring as the popular <i>Apple Blossom</i>	10	35	1 00	3 50
3135 Aurora Spencer. An exact counterpart of <i>Burpee's Aurora Sweet Pea</i>	10	45	1 25	4 50
3138 Beatrice Spencer. White ground, tinted with pink and buff.....	10	25	75	2 50
3139 Countess Spencer. A soft rose-pink.....	10	20	60	2 00
3140 Constance Oliver. Delicate pink, suffused cream.....	15	75		
3141 Dainty Spencer. White, edged with rose.....	15	85	2 75	10 00
3149 Emily Eckford Spencer. Rosy mauve, changing to blue..	15	1 50		
3143 Ethel Roosevelt. Pink flakings or stripes on cream ground. Half-size packet (10 seeds) 15 cts.....	25			
3144 Flora Norton Spencer. A beautiful shade of lavender...	10	50	1 50	5 00
3145 Florence Morse Spencer. A light pink-edged <i>Countess Spencer</i>	10	20	60	2 00
3146 Florence Nightingale. The best lavender <i>Spencer</i> . Half-size packet (10 seeds) 15 cts.....	25			
3147 George Herbert. Bright rosy-carmine.....	10	25	75	2 75
3148 Helen Lewis. Crimson-orange; wings orange-rose.....	10	20	60	2 00
3152 King Edward Spencer. Deep carmine-scarlet.....	10	25	85	3 00
3153 Lovely Spencer. Similar in color to the original " <i>Lovely</i> "..	10	40	1 10	4 00
3154 Mrs. A. Ireland. Buff ground suffused rose.....	15	50	1 35	5 00
3155 Marie Corelli. Brilliant rose-carmine.....	15	85	2 75	10 00
3158 Mrs. C. W. Breadmore. Buff ground, edged with pink...	15	40	1 10	4 00
3159 Mrs. Routzahn. Apricot suffused with pink.....	10	35	1 00	3 50
3160 Mrs. Sankey Spencer. <i>Black-seeded White Spencer</i>	10	20	60	2 00
3161 Othello Spencer. Rich deep maroon.....	10	35	1 00	3 50
3162 Mrs. Hugh Dickson. Rich pink-apricot on cream ground...	15			
3164 Paradise Ivory. Flushed rose on primrose ground.....	10	30	85	3 00
3166 Burpee's Primrose Spencer. (Re-selected).....	10	20	60	2 00
3168 Purple Prince Spencer. Standard purple-maroon, wings rosy-purple.....	15			
3169 Queen Victoria Spencer. Deep primrose flushed with rose..	10	50	1 75	
3170 Ramona Spencer. Striped blush pink on white ground.....	10	30	85	3 00
3173 Senator Spencer. Deep claret stripes on heliotrope ground	15	65	2 00	7 50
3174 Tennant Spencer. Spencer form of <i>Dorothy Tennant</i>	10	50	1 75	
3180 Waverly Spencer. Purplish maroon.....	10	35	1 00	3 50
3175 W. T. Hutchins. Cream, margined with blush-pink.....	15	85	2 75	10 00
3176 Burpee's White Spencer. (Re-selected).....	10	20	60	2 00
3181 Surpassingly Superb New "Spencer" Seedlings. A grand mixture of varieties of the true " <i>Spencer</i> " type.....	10	20	60	2 00

 The above Prices are Net to Florists, except Prices per Pkt., which are subject to 33 1-3 per cent Discount.

BURPEE'S BLUE LIST FOR 1911

A complete catalog of 146 pages, for Florists and Market Gardeners,—will be mailed upon application, **but only to those entitled to receive it.** Our Retail Catalog is free to everyone.

W. ATLEE BURPEE CO., Philadelphia

A MODEL FLORAL ESTABLISHMENT

The Park Floral Company of Denver, Colo., have recently moved into new quarters at 1643 Broadway, about one half a square south of their old location. The building where they are now located was not yet erected when the lease was made, and their portion of the building was built in accordance with plans furnished by Mr. Valentine. The arrangement is therefore planned with especial reference to the florist business, and every possible convenience is provided.

The store has a frontage of forty feet on Broadway, and a depth of about ninety feet. The walls of the sales room are covered with gray friar's cloth divided into panels. All the wood work is Oregon fir finished to show the natural grain. A great many thousand feet of lumber were overhauled in order to secure pieces with beautiful grain. At one end of the room is a mantel of tile in dull finish, and at the opposite end is a large mirror running nearly to the ceiling.

The lighting fixtures for the walls and ceiling are copper lanterns made by the Craftwood Shops, and give a very artistic touch to the room. In the show windows are powerful tungsten lamps with holophane shades. A total of 1200 candle power is used in the windows.

The carpet is solid rubber, dark green with white border and harmonizes beautifully with the other furnishings. No counters are used, their place being supplied by hardwood tables finished to match the woodwork. A wide stairway leads from the center of the sales-room up to a spacious conservatory with cement floor.

The work room directly beneath the conservatory, has a ceiling height of ten ft. only, so as to reduce the length

of stair from the store to the conservatory. Under the stairway is a small glass enclosed room in which the cashier and the operator of the private telephone exchange are located.

Adjoining the sales room at the south end is the wrapping room, and

In the basement is an artificial ice plant with two large cooling rooms. Here also are located lockers for the store employees, the mossier table, etc. At the end of the basement and well lighted from the front, are the kitchen and dining room, and both are com-



NEW STORE OF THE PARK FLORAL CO., DENVER, COLO.
Exterior View.

directly in the rear of that is the stock room for ribbons, baskets and supplies. A wagon room with cement floor, still further back, connects with the alley, and also with the freight elevator which runs to the conservatory and the basement.

pletely equipped with modern conveniences. An electric exhaust fan carries away all odors and insures plenty of fresh air. The settees in the dining room are built somewhat on the plan of seats in a Pullman car, and are easily converted into couches with mattresses, where tired clerks can snatch a few hours' sleep after working most of the night before Christmas or Easter. On the office floor are similar arrangements. The dining room is not in service except during rush times; but at such times good meals, including one at midnight, are served to employees, without charge and a great saving of time is effected.

The offices are on the second floor above the flower store and the store adjacent. Ten windows on Broadway and four at the end, make the office wonderfully light and cheerful. The office equipment is modern and up-to-date and includes vertical files, desk telephones, billing and adding machines, rotary neostyle, dictaphone and addressograph.

The office and selling force have an organization called the Coterie. One year's service is necessary for admission, and initiation is the occasion for some gentle hazing. A kitchen and dining room have been part of the Park Floral equipment for years, and the Coterie has always had the use of them whenever they desired. Some fine banquets have been spread, and toasts have been responded to with an eloquence no less charming than we are accustomed to at larger gatherings. The company pays the freight and gets as good returns as on any other investment.



NEW STORE OF THE PARK FLORAL CO., DENVER, COLO.
Interior View.

CROCKERY, CHINA and GLASS

EVERYTHING IN THIS LINE ADAPTED
TO LOVERS OF PLANTS AND FLOWERS

PLANT POTS OR JARDINIERS with or without pedestals, from the ordinary sizes up to the large and very large, selected at the sources of production from the best Pottery and Glass Houses in Great Britain, France and Germany. No order too large or small to insure careful execution.

VASES AND FLOWER HOLDERS of many designs, including new dinner-table decorations in China and Glass.

Our stock of China and Glass occupies ten floors and more than 9 000 bins including everything in this line pertaining to the Home, Hotels, Clubs, Public Institutions, etc.

WHOLESALE AND RETAIL

JONES, McDUFFEE & STRATTON CO.

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33 Franklin, cor. Hawley Sts., Boston, Mass.

SPRINKLEPROOF RIBBONS

TRADE MARK
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REPEL WATER

Look better and are better than the ordinary kind.

ELIMINATE ALL WASTE

Used by progressive florists everywhere.

LOOK FOR OUR EXHIBIT AT THE BOSTON FLOWER SHOW

If you are unable to attend write for samples to

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WERTHEIMER BROTHERS

The National Floral Ribbon House

565-567 Broadway, at Prince St., NEW YORK, N. Y.

RETAIL STORE MANAGEMENT

A Paper Prepared for the Detroit Florist Club by Irwin Bertermann of Indianapolis.

The retail flower business may well be classified in two well defined parts—the commercial and the ideal. It is most essential that the sterner force which propels the larger industries be combined with that more subtle and delicate artistic loving nature. It is not enough to master the art of buying and selling—it is necessary to live the veritable life of the flower; to love and to be able to personally arrange them in beautiful combinations, or to constantly teach others to imbue them with a masterful individuality. The retail storeman, to gain prominence, must be a composite of the Italian with his love of art; the German with his perseverance and perfection of detail; the Persian with his knowledge of color; and, last but not least, the leader of the van with salesmanship and push—our Yankee.

Some of the flower dealers lean more toward one qualification than to another. One well-known retailer, who possesses a fine knowledge of figures and segregation, manages his business efficiently and in entirety from his office; another, with an innate taste for the beautiful, manages directly among the flowers and throws bookkeeping, figuratively speaking, to others. Suffice it to say that no matter which policy a retailer pursues personally he must be most careful that not one or the other be forgotten in rounding out a business.

Commercialism Indispensable.

There is more commercialism in the flower business than there was ten years ago and there will be more in the future, so it behooves all who would be in at the "survival of the fittest"—harsh though that may sound—to adopt the bulwark of the larger American industries and apply system throughout. Individuality has its merits and the storeman who arranges flowers with taste and skill is to be admired as a creator of the finer arts, but like all others must become a unit where the great volume of trade is subservient to the iron hand. It takes no more exertion for a man to do a large business under a system than it does to do a very small one without such advantage, and, if anything, the favor comes to the larger as it is certainly more of a pleasure and a credit to manage it.

Where the Foreigner Leads.

The foreign trade papers are, or should be, a source of much learning. Years of plodding has taught the older countries an insight into perfected detail which is hard to discover among ourselves. Our goal has rightfully and honorably been the dollar, but for the sake of finer beauty and success, also more dollars, it is well to take notice

of the beautiful wreaths, baskets, and easel arrangements of Russia, Germany, France and England.

Using the Window.

We are storemen in a wonderful country. The growers are producing elegant stock, so let the retailer show nature's productions in their most exquisite arrangement. The cost per hour of a well-decorated window is in direct proportion to the amount of store rent paid. A well-arranged window is one of the best advertisements a dealer may have and it should always be of utmost importance to keep the same trimmed in excellent taste. Unlike other lines of trade, the florist has the finest material at hand, and rarely is it necessary to introduce other materials to make it attractive. In fact goods other than those regularly supplied as accessories should be discouraged in featuring a window. There is nothing in better taste than flowers and as we derive our livelihood therefrom, why promote other attractions? Harmony in color, by allotting a whole or a distinct part to one shade of flower, adds much to the general appearance of the window.

Automobiles.

Many of the storemen are adding automobiles to their chattels and the consensus of opinion seems to have relegated the horse to the past. The urgent time calls; the long hours and the important events of life with which the retailers have to contend make automobile delivery of peculiar value to the retailer and it should be encouraged as a useful rather than an extravagant part of the equipment. Let it be omnipresent, though, that we are florists and are not endeavoring to degenerate into a greasy garage manager as he can do repairing much better and more economically while we are engaged with a fancy customer.

Value of Novelties.

Most important is it for the leading retailers to produce or to deal in novelties. It would be a grand thing were it possible to sell the same article each year, but destiny will not have it so. Catering to the public makes it imperative to have something new or novel at all times. The flowers need not be new from the trade standpoint, but it is requisite to have a refreshing change for the flower lovers. There are created styles in flowers and they keep changing. What was regarded as old and uninteresting a generation previous may be a good selling article at present. Antirrhinum, bouvardia and Bon Silene roses were favorites with our grandmothers, but are again in style right now, made up with paper holders as used during Napoleon's reign. Mignonette, pansies, forget-me-not, and carnations will never grow old, but the grower and retailer should conspire to present something different at all times. Novel arrangements are as essential as novel flowers and no opportunity should be overlooked in placing before the public a new and

meritorious combination of nature's wares. Corsage bouquets made of older varieties of flowers have grown wonderfully in demand and are a source of much revenue to the present day dealer.

Furthering the Counter Trade.

At least forty per cent. of the storemen's business might properly be classified as counter trade, so the importance of packing flowers carefully in a neat box of up-to-date pattern and adding a few finishing touches in the way of ribbons. Farleyne ferns and flowers must not be overlooked. Counter trade is a certain barometer of the state of trade, and, like that instrument, fluctuates quickly. The many details in connection with this important branch are often ably taken in hand by able retail correspondents of the florists' press. Their ideas may often be enlarged upon and the incentive given the fagged, but energetic, shopman is not to be underestimated. It is up to him to effect an opening for the great mass of flowers thrown upon the market by millions of feet of glass, and any suggestion in furthering their sale is of immense general value.

About Advertising.

"Take care of your business and your business will take care of you," as Poor Richard's Almanac had it, is certainly an axiom worthy of every retailer. The flower business is not so conducive of financial results such as are found in other commercial lines, but the instances are few in which the returns are not sufficient, provided the above axiom is closely adhered to. Opinions differ greatly as to the best method of advertising. There are many effective ways. Some use newspapers, others magazines, some programmes and others nothing at all in the way of printer's ink, but make up for it in actual energy in their display of flowers and in the class of goods furnished. All of those mentioned and others received the support of the public if done in an energetic manner and supported in actual facts.

Telegraph Delivery.

One of the most promising institutions—The Florists' Telegraph Delivery—is still in its infancy. The amount of business transacted mutually between cities is no small one, and with the plan outlined by the president of the association, J. A. Valentine, generally accepted this source of revenue should be greatly increased. No retail florist in the larger cities could afford to be without the protection and advantages thus offered at a minimum cost.

Standards Advancing.

Orchids and gardenias—articles De Luxe a few years ago—have become staple articles in cities with over 200,000 population. Custom may complain at times that prices are high for fancy flowers, but still it is seemingly the unusual and the higher-priced goods which satisfies. The flower standard grows higher each year so the retailer

Perfect Goods For Particular Florists

THE FOLLOWING ARE A FEW SUGGESTIONS ONLY

from an immense stock and unprecedented variety that we list

Plant Baskets, Plant Pot Covers, Fern Pot Covers. all sizes and all grades, all descriptions. In any basket ordered from us we can put zinc lining, as we manufacture these ourselves.

Bridal Baskets, Bridal Bouquet Holders, Debutante Bouquet Holders and Paper Bouquet Holders.

Chiffons, all colors and sizes. Waterproof and other exclusive styles. **Wax and Artificial Flowers. Waterproof Paper Pot Covers,** for all size pots, cheap and desirable, in any color. Our No. 3000 Crepe Pot Covers, to fit 3 to 5-inch pot, in all colors, \$1.00 per 100. **Waterproof Crepe Paper** in Roll.

Tin Foil, plain and colored; also a heavy Tin Foil for lining baskets. **Barks,** in all kinds, Birch, Cork and Cedar. **Natural Prepared Ferns,** the greatest variety in the United States. **Sphagnum Moss.**

Artificial Leaves, all styles, white and green. **Metallic Designs,** we are the manufacturers of these goods and can make any design you want. **Magnolia Leaves,** green and brown. **Beech Branches,** prepared, in all colors. **Immortelles,** in all colors.

Wheat Sheaves, our unexcelled brand in flat, standing or open. **Flexible Cycas Leaves.** Don't forget our **Imperial Chinaware,** and **Green Tone Pottery,** in all shapes. When you want real novelties, consult us.

BEAUTIFUL EASTER NOVELTIES NOW ARRIVING

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

THE FLORISTS' RETAIL DELIVERY

Special Meeting at National Flower Show, Boston, Wednesday,
March 29th. Morning and Afternoon. All Retailers Invited.

J. A. VALENTINE, President

in a city of 500,000 sells more than twice as much as when the city was half that size, as the patrons have grown proportionately richer. When recognition is taken that New York City's millionaires are now to be counted in the thousands, whereas twenty years ago there were, perhaps, less than one hundred, we can see the direct reasons for changing our business methods, and look forward to standards which will place the retail florists in the front row of industrial pursuits and gain respect as a representative type of American business men.

A rough estimate of the exchange flower trade would put the total amount at \$300,000 in this country. So the importance of the undertaking is obvious.

A progressive flower store, tasteful

in appointment, absolutely clean, with efficient salesmen and flower workers attaining the reputation of handling meritorious goods must be ably managed. The ideal manager, a rare individual, must possess the executive qualities usually attributed to him. Further, he should have the fine artistic ability of a Thorley, Battles, Palmer or a score of others who have won distinction for their class and house work stand forth as a challenge to all who would do better.

New York City—A. H. Langjahr, wholesale florist, will remove from 55 W. 28 St. to 130 W. 28 street about May 1. The store which he vacates will be taken by James McManus, now located at 42 W. 28 street.

ABOUT FLORISTS' RIBBONS.

Mr. S. B. Wertheimer of Wertheimer Brothers, tells us that the growth of the floral ribbon industry in the past few years had been unparalleled. This field, hitherto catered to in a hit-or-miss manner, by millinery houses mainly, has now been developed so that the florist has his own distinctive fabrics created to fit the peculiar and particular requirements of his trade. The "Sprinkleproof" ribbons and chiffons, which unlike ordinary fabrics will not collapse when exposed to water are evidently appreciated by the florist trade for Mr. Wertheimer states that now the bulk of their sales to florists are for these textiles. This firm will be represented at the Boston Flower Show with a creditable exhibit.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 888. Aldine 881, Aldine 882.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y. Schenectady, N. Y.



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Hartford, Conn.—The store of I. Lorenzen & Son has been moved from 249 to 221 Park street.

E. J. Taylor of Greens Farms has a retail flower store at 479 Lexington Ave., New York.

Herman Warendorff's new store at Nassau and Liberty St., New York, will be very artistically arranged. Forster & Mansfield are doing the work.

Detroit, Mich.—The Detroit Floral Co. has been forced to move by the sale of the property they now occupy, and have leased the store, 747 Woodward avenue.

New York—Woodrow & Marketos will succeed August Millang at 41 W. 28 street, on April 1, Mr. Millang re-

STEAMER DEPARTURES

American.

St. Louis, N. Y.-S'hampton...Mar. 25
St. Paul, N. Y.-S'hampton...Apr. 1

Anchor.

Columbia, N. Y.-Glasgow...Mar. 25
Caledonia, N. Y.-Glasgow...Apr. 1

Atlantic Transport.

Minnehaha, N. Y.-London...Mar. 25
Minneapolis, N. Y.-London...Apr. 1

Cunard.

Campania, N. Y.-Liverpool...Mar. 29
Saxonia, N. Y.-Mediter'n'n...Mar. 30

French.

La Savoie, N. Y.-Hayre...Mar. 30

Hamburg American.

Pennsylvania, N. Y.-H'mb'rg...Mar. 25
Cincinnati, N. Y.-Medit'r'n'n...Mar. 28
Pres. Lincoln, N. Y.-H'mb'rg...Apr. 1

Holland-American.

Potsdam, N. Y.-Rotterdam...Mar. 28
Noordam, N. Y.-Rotterdam...Apr. 4

North German Lloyd.

K. Luise, N. Y.-Medit'r'n'n...Mar. 25
G. Washington, N. Y.-Br'm'n...Mar. 30
Berlin, N. Y.-Mediterranean...Apr. 1

Red Star.

Lapland, N. Y.-Antwerp...Mar. 25
Vaderland, N. Y.-Antwerp...Apr. 1

White Star.

Baltic, N. Y.-Liverpool...Mar. 25
Philadelphia, N. Y.-S'h'mpt'n...Mar. 25

Zeeland, Boston-Liverpool...Mar. 28
Oceanic, N. Y.-S'hampton...Mar. 29

Cretic, N. Y.-Mediterranean...Mar. 29
Cedric, N. Y.-Liverpool...Apr. 1

St. Paul, N. Y.-S'hampton...Apr. 1

moving to the fine Stuyvesant Ave. place in Brooklyn, which he recently acquired.

Woburn, Mass.—On the morning of March 11th Joseph Cummings, florist of Bedford street, while removing a lot of ashes from his greenhouse, made a mis-step, fell several feet and broke one of his ribs. Last accounts Mr. Cummings was doing nicely.

NEW FLOWER STORES.

Savanna, Ill.—John Lambert.

Grand Island, Neb.—Edward Williams.

Chicago, Ill.—J. A. Sikuta, 34 State street.

Denver, Colo.—W. D. Black, 1455 Broadway.

London, Ont., Can.—J. H. Taylor & Co., East End.

Danbury, Conn.—Mathewson Flower Shop, 284 Main street.

Chicago, Ill.—George A. Peters, entrance to the New Sherman House.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardspier.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The Florist

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

SAMUEL MURRAY

913 GRAND AVE.

KANSAS CITY, MO.

All orders intrusted to us by the trade for this section of our great country will receive our best attention.

A Boston Florist You Should Know

Visitors to Flower Show Call and Get Acquainted.

Pleased to Arrange for Exchange of Orders by

Telegraph, etc., for Mutual Advantage

Julius A. Zinn No. 1 PARK STREET **Boston, Mass.**
Next door to Flower Markets

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullen, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Willson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 3-4 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.



BACK BAY STORE AND CONSERVATORY OF THOMAS F. GALVIN, INC., BOSTON

Florists' Refrigerators

Write us for catalogue and Prices, stating size you require, and for what kind of cut flowers you wish to use the refrigerator; also state whether you want it for display or only for storage.

McCray Refrigerator Co.,
253 Lake Street, Kendallville, Ind.

Mention Horticulture when you write

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

NEWS NOTES.

Reading, Mass.—C. F. Trevor and F. E. Lind, conducting business as the Reading Floral Co., have dissolved partnership.

Greenwich, Conn.—James M. McArdle, formerly traveler for Vaughan's Seed Store, has started here in the florist business.

Fond du Lac, Wis.—Leon Sawicke, florist at the Fourth street greenhouses, caught a man on Sunday

rifing the office desk. The man managed to get away with three or four dollars. No accurate description of him could be secured.

South Manchester, Conn.—Peter Jengler, formerly head gardener at the Park Greenhouses, Elizabeth Park, Hartford, is now in business for himself here.

Anaconda, Mont.—Wilford Newell, formerly of New York, will have charge of the floral department at the R. M. Grieg Greenhouses.



Dennison Florist Tags

are distinctive, designed especially for the discriminating clientage every florist covets. Finest white stock, special writing surface (not stained by water) printed in colors, embossed if you wish, Dennison patch eyelet, perfect workmanship.

Let us design for you a Dennison Tag, incorporating your coat-of-arms, special flower or lettering. Many will receive your flowers who will like to remember your name. On a Dennison tag it will not be forgotten.

For samples, prices, information, address

Dennison Manufacturing Company

The Tag Makers

26 Franklin Street, Boston, Mass.

NEW YORK

15 John St. 15 West 27th St.

PHILADELPHIA

1007 Chestnut Street

CHICAGO

25 Randolph Street

ST. LOUIS

413 No. Fourth St.

SALES OFFICES AT

Albany, N. Y.
Atlanta, Ga.
Baltimore, Md.
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Cincinnati, O.
Cleveland, O.
Dallas, Tex.

Denver, Colo.
Detroit, Mich.
Hartford, Ct.
Indianapolis, Ind.
Los Angeles, Cal.
Louisville, Ky.
Mexico City, Mex.

Milwaukee, Wis.
Newark, N. J.
New Orleans, La.
Omaha, Neb.
Pittsburg, Pa.
Portland, Me.
Providence, R. I.

Richmond, Va.
St. Paul, Minn.
San Francisco, Cal.
Seattle, Wash.
Toronto, Ont.
Washington, D. C.

Visitors To Boston

are cordially invited to visit our two notable stores, 124 Tremont street, opposite Park street subway entrance, and at Boylston and Fairfield streets in the Back Bay district.

The Leading Floral Establishment of New England

Where may be seen the finest examples of floral and decorative work as done here for the most critical buyers in the country.



A Feature of the Great National Flower Show

will be our exhibits at Mechanics Hall. The delivery of flowers or floral work in Boston and vicinity on telegraphic orders is a specialty of our business. We are desirous of arranging for exchange of orders, etc., with some leading florist in every city in this country or abroad. If you are interested call and talk it over.

Thomas F. Galvin, Inc.
124 Tremont St. and Cor. Boylston & Fairfield Sts.
BOSTON, MASS.

ESTABLISHED 1846

PARIS

LONDON

BERLIN

CHARLES MILLANG

WHOLESALE FLORIST

Centrally Located, the Hub of the Flower Market Section

Call and get acquainted. Whatever you have to sell, or whatever you want to buy, you will find it distinctly to your advantage to have a talk with me. I shall have a big supply of the best

Easter Plants and Easter Flowers

and can handle even more if they are good.
Send lists of what you have to offer. Do it now!

55 & 57 W. 26th St., NEW YORK

Telephone 7062 Madison

LILIES FOR YOU

***The same High Grade for Easter that we
Have Been Furnishing in Years Past***

Packed in Boxes of Twenty-five Pots each, nicely Crated over the Top. Our Packing is undoubtedly the **BEST IN THE UNITED STATES**. Average 5 flowers to the plant. One extra plant, gratis, in each Crate. Prices in case lots, 12c. per Flower. Five or more cases 11c. per Flower. **ORDER EARLY** so that we may be able to ship them Direct from the Greenhouses without rehandling.

**We carry a full line of fresh flowers, all varieties and
the largest stock of Florists' Supplies in New England**

Roses are our specialty. The Killarneys, Richmond, Bride, Bridesmaid, Chatenay, Maryland, in all grades and prices.

Dark Pink Killarney Plants

Deeper, brighter color than the original Killarney. Does not lose its color in winter. We shall plant 5000 ourselves and many large growers in New England have already placed orders for it. We are agents for the introducer, A. N. Pierson, Cromwell, Conn.

Grafted Plants, 2 1-4 in. Pots, \$20 per 100; \$180 per 1000

***Plant Auction Sales for Spring Season will begin March 31, and there-
after each Tuesday and Friday until June 20th***

N. F. McCARTHY & CO.

Wholesale Florists and Supply Dealers

84 Hawley St., Boston

IN BOSTON

You will find the Largest and Best Equipped Flower Mart on the Continent. A visit from Florists attending the National Flower Show will be appreciated.

WE CARRY A FULL LINE OF
FLOWERS — PLANTS — GREENS — SUPPLIES

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See Our Extensive Exhibit at Mechanics Hall

Now is the proper time to place your orders for ROSES, CARNATIONS, LILY OF THE VALLEY, SWEET PEAS, DAFFODILS, VIOLETS and other Staple EASTER Flowers. Also AZALEAS, GIGANTEUM LILIES (in pots or cut), RAMBLER ROSES, SPIRAEAS and all other popular Easter Flowering Plants, carefully shipped direct from the Greenhouse.

WELCH BROTHERS

Telephone
 6267-6268-5429
 Main

BOSTON, MASS.

226
 Devonshire
 Street

J. A. BUDLONG Will Remove April 3d

TO

82-84-86 E. Randolph St., Chicago

Here we will have greatly increased facilities
for handling our large stock of cut flowers

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

We have a heavy supply of **Roses**—Brides, 'Maids, Richmonds, White Killarney, Pink Killarney, Maryland, Jardine, American Beauties, Marshall Field, etc. **Easter Lilies**, Callas, Valley, Carnations, Sweet Peas, Mignonette, Tulips, Daffodils, Jonquils—in fact all kinds of cut flowers—and in green we have Smilax, Asparagus in strings and bunches, Sprengeri, Adiantum Ferns, etc.

BIG SUPPLY FOR EASTER

GEO. C. SIEBRECHT, President

WALTER R. SIEBRECHT, Secretary

We Have An Inexhaustible Supply OF ALL THE SPRING FLOWERS

Our Valley, Orchids, Roses, Violets and Carnations are the Best—Special attention given to shipping orders—Prompt deliveries

NO DISAPPOINTMENTS

SIEBRECHT & SIEBRECHT

136 W. 28th Street, New York

'PHONE 8346 MAD. SQUARE.

34 West 28th St., New York City.

TO WHOM IT MAY CONCERN;—

To meet demands we are in need of good Lilies and Roses and can secure for you the highest market values.

Consignments of good Cut Flowers of any variety we solicit.

Yours most respectfully,

Phone 1664—1665 Madison Sq.

BADGLEY, RIEDEL & MEYER, Inc.

Growers are cordially welcomed to the comfort of our office facilities when in New York.

**We
Strive to Please
Never Disappoint
Satisfaction Guaranteed**

**We Occupy
25,000 sq. ft.
We carry the largest stock**

Make our place of business
your headquarters during
your visit to the National
Flower Show.

We have pleased you in the past, so we can
certainly do so now.

**The
Leading
Wholesale
Commission Florists**

Henry M. Robinson & Co.
Manufacturers, Importers and Exporters of
FLORIST SUPPLIES

Hardy Cut Evergreens

9 and 15 Chapman Pl.

**BOSTON,
MASS.**

**Always
Quality Best
Prices Lowest**

15 Province St.

THE SQUARE DEAL

That is something every man is entitled to. The Grower, the Wholesaler and the Retailer owe it to one another and it is the best and only foundation for true business success.

"OLD AND RELIABLE"

is a term I have for many years delighted to have my growers and my buyers apply to my business transactions and methods. "He has always done the right thing by me" is something we should all be proud to have our business associates say of us. Now Easter is coming and I am ready to talk to you if you have a crop of good stock to dispose of or if you are going to need anything of the kind.

Lilies, Carnations, Roses, Violets, Stock, Callas, Lily of the Valley, Daffodils, Freesias and lesser specialties too numerous to mention are in full daily supply and my prices are always fair. Prompt payments to consignors.

J. K. ALLEN, 106 W. 28th St., New York

Established 1887

Phone 167-4468 Madison Sq.

WM. P. FORD

Carries the finest stock of flowers in the City and is now ready to contract for

EASTER DELIVERY

In full assortment, highest quality and fair prices. National Flower Show visitors passing through New York are Invited to Call.

45 West 28th Street New York

FOR THE FINEST GRADES OF CUT FLOWERS ALL THE
TIME, INCLUDING EASTER

SEND TO

**Moore, Hentz & Nash
Wholesale Commission Florist**

55 and 57 West 26th Street

TELEPHONE No. 756 MADISON SQ.

New York

FRANK L. MOORE, Chatham, N. J.

HENRY HENTZ, JR., Madison, N. J.

JON'N NASH, New York

OLDEST, BEST KNOWN AND BUSIEST

Cut Flower Commission House
IN THE
WHOLESALE FLOWER DISTRICT

¶ A full line of Choice Flower Stock for all purposes. The HOME OF THE LILY by the 100, 1,000 or 10,000.

EASTER BUYERS

Should now make their wants known. Plenty of first-class stock at right figures. Everything in the line of flowers in Any Quantity.

“Don't Forget The Number”

P. J. SMITH

Successor to JOHN I. RAYNOR

49 West 29th St., New York

Wholesale Commission Florist—Selling Agent for Largest Growers

TELEPHONE 1998 MADISON SQUARE

Killarneys Richmond - Maryland

Best 24"—30" stems, medium or shorts.

Large supply of all grades

This stock is in splendid condition as to quality. Prices reasonable.

The Leo Niessen Co.
WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St, Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS
CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted

Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO Mar. 21	WINN CITIES Mar. 21	PHILA. Mar. 21	BOSTON Mar. 23
Ara. Beauty, Fancy and Special...	40.00 to 50.00	40.00 to 50.00	65.00 to 75.00	50.00 to 75.00
Extra.....	30.00 to 40.00	30.00 to 40.00	40.00 to 50.00	30.00 to 40.00
No. 1.....	30.00 to 30.00	30.00 to 30.00	..... to 20.00	15.00 to 25.00
Lower grades.....	1.00 to 15.00	10.00 to 20.00	5.00 to 20.00	6.00 to 8.00
Bride, 'Maid, F. & S.....	6.00 to 10.00	8.00 to 10.00	8.00 to 10.00	6.00 to 8.00
Lower grades.....	2.00 to 5.00	4.00 to 8.00	3.00 to 5.00	1.00 to 3.00
Richmond, Chatenay, Fancy & Special	8.00 to 12.00	8.00 to 10.00	15.00 to 20.00	6.00 to 10.00
Lower grades.....	4.00 to 6.00	6.00 to 8.00	8.00 to 10.00	7.00 to 9.00
Killarney, My Maryland, Fan. & Spl	8.00 to 12.00	8.00 to 10.00	8.00 to 12.00	6.00 to 8.00
Low grades.....	4.00 to 6.00	6.00 to 8.00	3.00 to 6.00	1.00 to 3.00
CARNATIONS, First Quality.....	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Ordinary.....	1.00 to 1.50	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas.....	50.00 to 60.00	60.00 to 75.00	40.00 to 50.00	30.00 to 40.00
Lilies, Longiflorum.....	12.00 to 15.00	12.50 to 15.00	8.00 to 12.50	6.00 to 8.00
Lily of the valley.....	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Violets.....	1.00 to 1.00	5.00 to 1.25	.25 to .75	1.00 to 4.00
Mignonette.....	3.00 to 5.00	4.00 to 6.00	3.00 to 4.00	2.00 to 6.00
Lilac, per bunch.....	..... to .....	..... to .....	.50 to 1.00	..... to 1.00
Tulips.....	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00	1.50 to 3.00
Roman Hyacinths, Paper Whites.....	3.00 to 3.00	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
Daff dils.....	2.00 to 3.00	3.00 to 4.00	.75 to 3.00	1.00 to 1.50
Freesia.....	..... to .....	..... to .....	..... to	1.00 to 2.00
Daisies.....	1.00 to 1.25	..... to	1.00 to 1.50	50 to 1.00
Snapdragon.....	..... to .....	..... to	6.00 to 12.50	3.00 to 5.00
Sweet Peas.....	.75 to 1.00	.75 to 1.25	.40 to 1.00	50 to .75
Gardenias.....	40.00 to 50.00	30.00 to 40.00	10.00 to 25.00	20.00 to 25.00
Adiantum.....	..... to 1.00	.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax.....	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	..... to 50.00	..... to 50.00
" & Siren (from hobs)	25.00 to 40.00	25.00 to 35.00	35.00 to 50.00	..... to 35.00

Decorative Material

50-lb. cases of Smilax, only \$5.00.

Tel. Office, New Salem, Mass.
L. D. Phone Connection.



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CROWL FERN CO., - - Millington, Mass.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, FRESH STOCK

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Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

FANCY AND DAGGER FERNS, \$1.50 per 1000.

GALAX, bronze or green, 75c per 1000.

SPHAGNUM MOSS, 12-bbl. bales, \$4.00 per bale.

Use our LAUREL FESTOONING FOR DECORATIONS, 4c, 5c and 6c per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

10,000 LBS. BOXWOOD, \$15.00 per 100 lbs.

Flower Market Reports

Business is rather sulky

BOSTON at present writing and sales that count for much

of anything are only made under high pressure and low figures. White carnations are scarce and with the exception of American Beauty roses they are about the only commodity that is scarce. Enchantress is very plentiful. Lily of the valley cheap and slow to move. There are lots of roses, plenty of lilies, too many violets and daffodils, and a sufficiency of orchids. Wholesalers' storage quarters are overflowing with stock awaiting a buyer.

There is plenty of stock

CHICAGO and it is good, bad and indifferent in quality,

and upon the quality depends the price. This does not include Beauties, which still are very scarce and even our largest growers would find it difficult to cut 25 first-class Beauties at this time. Richmond affords relief to the situation and so is selling better than is usual at this time of the year. Killarneys are giving way to the superior qualities of Brides and Bridesmaids, which stand shipment better this warm weather. Maryland, also, is taking preference over Killarney and Jardine is making extra heavy long stems and is much in demand in consequence, leading everything in pink except Bridesmaid. Carnations are of all kinds and conditions and inferior stuff is jobbed off at a low price, while much is a total loss. Really good carnations sell at a fair price. Lily of the valley is of good quality and moving well for the Lenten season. Violets are suffering from the warm weather this week and many are left unsold. Easter lilies and callas are seen everywhere but demand is light. Bulbous stock has no indication of coming to an end and quality keeps up exceptionally well. Green is in good demand, the call being for asparagus bunches and smilax mostly.

Business continues

CINCINNATI good. Flowers of all

kinds with the ex-

ception of long Beauties are plentiful and cleaning up, with prices at a lower level. Short Beauties are fairly plentiful but the quality is somewhat poor. The receipts of Richmond, Killarney, White Killarney and My Maryland are on the increase, some exceptionally fine stock being offered. Bride and Ivory are in heavy crop with the short and medium moving more freely than the fancy grades. Good Bridesmaids meet with a fair request. White continues to be the leading seller in line. The coming of southern daffodils in quantity has seriously affected the price of indoor stock. There being only a limited amount of white and lavender Dutch hyacinths, La Reine and Murrillo tulips coming in, they are good property. Pink and purple hyacinths move more slowly and lilies are plentiful and the demand could be improved upon. The call for single violets is very good while the supply of double is more than sufficient. Lily of the valley in fair supply and demand.

(Continued on page 457)

AT THE

NATIONAL FLOWER SHOW

at Boston, on the Second Floor, hardly more than a dozen feet from the meeting hall, will be our exhibit of

**Ribbons,
Supplies,
Cut Flowers
and various
other novelties**



OUR EASTER PLANT LIST

of splendid offerings and novelties has been mailed. If you have not received it, advise us, and we will gladly mail you one.

Some Splendid New Roses

"MELODY," the best yellow rose today.

"DOUBLE KILLARNEY," the Killarney that will supersede the one now grown.

"ROSE QUEEN," in a class by itself.

"PRINCE DE BULGARIE," entirely different from any rose grown.

Write for our Descriptive List and Prices of
these and other Introductions.

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THE Wholesale Florists of PHILADELPHIA

NEW YORK 109 W. 28th Street **PHILADELPHIA** 1608-1620 Ludlow Street **WASHINGTON** 1212 New York Av.

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Mar. 14		DETROIT Mar. 14		BUFFALO Mar. 21		PITTSBURG Mar. 21	
Am. Beauty, Fan. and Sp.	20.00	to 30.00	35.00	to 50.00	20.00	to 35.00	40.00	to 50.00
" Extra	10.00	to 15.00	22.00	to 30.00	15.00	to 20.00	25.00	to 35.00
" No. 1	6.00	to 8.00	15.00	to 20.00	10.00	to 15.00	15.00	to 20.00
" Lower grades .....	.....	to	5.00	to 12.00	3.00	to 5.00	8.00	to 10.00
Bride, "Maid, F. & S.	8.00	to 10.00	8.00	to 10.00	10.00	to 10.00	6.00	to 8.00
" Low. gr.	4.00	to 6.00	4.00	to 6.00	5.00	to 8.00	3.00	to 4.00
Richmond, Chatenay, Fancy & Special	6.00	to 8.00	8.00	to 10.00	10.00	to 12.00	6.00	to 10.00
" Lower Grades	4.00	to	4.00	to 6.00	5.00	to 8.00	.....	to 4.00
Killarney, My Maryland, Fan. & Spl.	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
" Low. Grades	4.00	to 6.00	4.00	to 6.00	5.00	to 6.00	.....	to 4.00
CARNATIONS, First Quality	3.00	to	3.00	to	2.50	to 3.00	2.00	to 3.00
" Ordinary	2.00	to	2.00	to	1.50	to .....	.....	to 1.50
MISCELLANEOUS								
Cattleyas .....	.....	to 10.00	.....	to	40.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum	8.00	to 10.00	15.00	to	10.00	to 12.00	8.00	to 10.00
Lily of the Valley	3.00	to	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Violets .....	.25	to .35	.50	to 1.00	.40	to .50	.50	to .75
Mignonette .....	.....	to	3.00	to 7.00	2.00	to 4.00	.....	to 6.00
Lilac, per bunch .....	.50	to .....	.....	to .....	.....	to .....	.....	to 1.50
Tulips	2.00	to 4.00	3.00	to	2.00	to 3.00	2.00	to 4.00
Roman Hyacinths, Paper Whites ..	2.00	to 3.00	3.00	to	2.00	to 3.00	3.00	to
Daffodils	2.00	to 3.00	3.00	to	2.00	to 3.00	5.00	to 6.00
Freesia .....	.....	to .....	.....	to .....	.....	to .....	.....	to
Daisies .....	.25	to .35	.50	to 1.50	1.00	to 1.50	1.00	to 3.00
Snapdragon	6.00	to 10.00	5.00	to 6.00	5.00	to 7.00	6.00	to 8.00
Sweet Peas .....	.50	to .75	.50	to 1.50	.50	to 1.00	.50	to 1.00
Gardenias .....	.....	to .....	.....	to 25.00	.....	to 40.00	.....	to 30.00
Adiantum	1.00	to	1.00	to 1.50	1.00	to 1.50	.....	to 1.50
Smilax	12.00	to 15.00	25.00	to	15.00	to .....	.....	to 15.00
Asparagus Plumosus, strings (100)	50.00	to	30.00	to 40.00	50.00	to 60.00	50.00	to 50.00
" " & Spreng. (100 bchs.)	20.00	to 35.00	30.00	to 40.00	35.00	to 50.00	30.00	to 10.00

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Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
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A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
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JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Mar. 18 1911		First Half of Week beginning Mar. 20- 1911	
American Beauty, Fancy and Special.....	35.00	to 50.00	35.00	to 50.00
" " Extra.....	30.00	to 30.00	20.00	to 30.00
" " No. 1.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Field, Extra and Special.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chatsenay, Extra and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killarney, My Maryland, Extra and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Carnations, First Quality.....	1.50	to 3.00	1.50	to 3.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

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Shipments, any quantity, Whole-
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Florists' SuppliesWe manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
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Glassware, Decorative Greens and Florists' Requisites**MICHIGAN CUT FLOWER EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

Flower Market Reports

(Continued from page 545)

Notwithstanding the NEW YORK very unfavorable weather of the past week crops of all kinds have been increasing in volume and, with the prevailing inactivity in the retail trade the effect has been disastrous as to market values, accumulations being the rule in the wholesale district. Roses are plentiful and of good average quality. Carnations vary from very good to very poor. The grades of lilies also show a wide variance as to quality, many lots being of the most miserable character. Callas are very abundant. There are heaps of violets, which find their best outlet through the street dealers, although the quality is superb as a rule. All bulbous material is overstocked. Daffodils seem to be more popular than in former years and the street men dispose of great quantities of them for corsage wear, etc. Wallflowers, corn flowers, pansies and similar lesser flowers are seen in most florists' offerings and sweet peas are in quantity on all sides.

More satisfactory PHILADELPHIA trading was the rule last week. Stocks cleaned up better, and while there was no decided advance in prices the tone of the market was distinctly firmer. The Friday and Saturday sales—although very low as to price—were extensive in quantity and brought the general average for the week up to respectable figures. There was no scarcity of anything—unless perhaps white carnations. There was some extra demand for these and, in addition, the crop seemed to be a little off. Of course, American Beauty roses are still scarce but the demand for them is kept within limits—as might be expected when specials are going at \$75 in March. The short Beauties at \$15 to \$25 are nothing extra, and there are no intermediate qualities. Carnations, outside of white, were more plentiful and in large lots shrewd buyers could get quite a discount from quoted schedules. We have now a number of wideawake retailers who are keen for a special drive when circumstances warrant in any item. The street men do not quite have it all their own way in the job-line as they used to. Southern daffodils came in more freely and may be looked for in larger quantities from now on. Sweet peas are still pretty good stock, although there are more shorts coming in than desirable. The

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Mar. 18 1910		First Half of Week beginning Mar. 20 1911	
Cattleyas.....	25.00	to 40.00	25.00	to 40.00
Lilies, Longiflorum.....	5.00	to 6.00	5.00	to 6.00
" Lancifolium.....	6.00	to 8.00	6.00	to 8.00
Lily of the valley.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.15	to .30	.15	to .30
Mignonette.....	2.00	to 5.00	2.00	to 5.00
Lilac, per bunch.....	.50	to .75	.50	to .75
Tulips.....	1.00	to 3.00	1.00	to 3.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snapdragon.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas (per 100 bunches).....	2.00	to 8.00	2.00	to 8.00
Gardenias.....	15.00	to 35.00	15.00	to 35.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Sprea (100 bchs).....	15.00	to 25.00	15.00	to 25.00

balance of the cut flower market, normal and featureless. Smilax and plumosus scarce. Plenty of good Sprengeri.

Reports from the different wholesale houses say that Lent so far has not interfered much with the local trade, as the retail florists are buying quite heavy and last week their business was good. Stock of all kind has been over-plentiful and from the looks of the market it will continue so right up to Easter. Prices are low on good quality of stock. Extra good quality in roses bring not over \$8 per 100; Beauties, long fancy, \$6 per dozen; Carnations, \$1 to \$3, and lilies from \$8 to \$10 per 100. Bulb stuff is not over-plentiful. Smilax, asparagus and all other green goods sell well.

NEWS NOTES.

Oakdale, Cal.—The Lagomarsino place has been purchased by Frank T. Swett, who intends to raise some of his nursery stock there.

Flasher, N. D.—The North Dakota Nursery Co., now being incorporated, intends to locate in Flasher. M. J. George is general manager.

New York—Mr. Beauplan, proprietor of the Forster-Mansfield Company, manufacturers of architectural woodwork, has had his bookkeeper arrested for forgery and grand larceny. The amount of the young man's alleged stealing amounted to several hundred dollars.

IN BANKRUPTCY.

Freeport, L. I., N. Y.—John Copp, florist, 46 Colonial avenue, has filed a petition in bankruptcy, liabilities \$9,306.25, assets \$3,350.

THE BEST LETTERS

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**Boston Florist Letter Co**

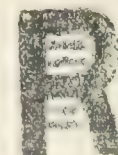
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Preserved and Fresh Cut
Cycas and Palmetto.Tel. 1519
5893 Mad. Sq. 113 W. 28 St., New York.**KRICK'S FLORIST NOVELTIES**

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine In mortelle Letters etc. Every Letter Marked

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For Sale by all Supply Houses.**Wired Toothpicks**

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W. J. COWEE, BERLIN, N. Y.10,000... \$1.75; 50,000... \$7.50. Samples free.
For sale by dealers

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

B. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGERATUMS

Ageratum Stella Gurney, 2½ \$1.75, 3½ \$5.00; very bushy rooted cuttings 50c per 100. C. H. Jacobs, Westfield, Mass.

Ageratum, 3 inch, \$4.00 per 100; \$35.00 per 1000. Rooted cuttings, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

Ampelopsis Veltchil. Fine 2-year plants, transplanted when 1 year old, No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

ANNOUNCEMENT

National Flower Show, Boston, Mass.
For page see List of Advertisers.

AQUATICS

Wm. Tricker, Arlington, N. J.
Water Lilies.

For page see List of Advertisers.

Aquatic plants, Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ARTIFICIAL FLOWERS

The Chicago Artificial Flower Co., Chicago,
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.

PETER MACK, ORLANDO, FLA.

Asparagus Sprengerii, strong, thrifty, 2½ and 3-in., 2c and 4c. Cash.
John F. Flood, Montvale, Mass.

Asparagus plumosus, from bench, strong, healthy plants, for 3½ in. pots, \$5.00 per 100; 2½ in. pots, \$3.00. Sprengerii, from bench, for 3½ in. pots, \$3.00 per 100. Cash.
W. B. Bowen, Florist, Whitman, Mass.

ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
High Grade Asters.
For page see List of Advertisers.

ASTER SEED, SEEDLING BRANCHING.
Mr. Phillips, Florist, Syracuse, N. Y., advises us that the aster seed purchased from us produced blooms that carried away the first prize at the last N. Y. State Fair. In the growing and the selection of this seed we exercised the most painstaking care, positively allowing only two or three ideal blooms per plant, to mature seeds. We have a small amount of this same seed in stock and will sell it only in mixture of about 1000 seeds comprising pure white, lavender pink and purple—about one-third the mixture being pure white. Price, per packet of 1000 seeds, 35 cts.; 4 packets for \$1.00. Russell Bros., Syracuse, N. Y., Route 4.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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BAY TREES.

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BEGONIAS

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Skidelsky & Irwin Co., Philadelphia, Pa.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Henry A. Dreer, Inc., Philadelphia, Pa.
Seasonable Bulbs.

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Joseph Breck & Sons, 47-54 N. Market St., Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Fottler, Fiske, Rawson Co., Boston, Mass. Begonias, Gloxinias.

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E. S. Miller, Wading River, N. Y.
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Gt. Van Waveren & Kruijff, Sassenheim, Holland.

Bulbs, Spireas, Dahlias, etc.

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CASTLE AUTOMATIC CIRCULATOR

American Auxiliary Heating Co., Boston, Mass.

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CANNAS

Wood Bros., Fishkill, N. Y.

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CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass. Superior Carnation Staple.

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Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J. Carnation White House.

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F. Dorner & Sons Co., Lafayette, Ind. Two New Carnations.

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Chicago Carnation Co., Joliet, Ill. Carnation Washington.

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Wood Bros., Fishkill, N. Y.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation White Perfection, rooted cuttings, \$1.50 per 100; strong 2½ inch, \$2.50 per 100; Enchantress rooted cuttings, \$1.50 per 100. Wagoner Floral Co., Columbia City, Ind.

Strong healthy carnation cuttings from flats. 1000 F. Maid, 500 Harlowarden, 500 Queen, 400 Lawson, \$2.25 per 100. Albion D. Emerson, Westville, N. H.

3000 Carnation Splendor, 2½ inch pots, \$20.00 per 1000. Cash please. Hupert & Hammen, Belair Road, Baltimore, Md.

Carnation James Whitcomb Riley (Lawson seedling), the best yellow, \$6.00 per 100. Bertermann Bros. Co., Indianapolis, Ind.

New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

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CHRYSANTHEMUMS

- Chas. H. Totty, Madison, N. J.
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- S. J. Reuter & Son, Inc., Westerly, R. I.
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- Elmer D. Smith, Adrian, Mich.
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- Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.
- Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CINERARIAS

- Godfrey Aschmann, Philadelphia, Pa.
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- Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.
- Cinerarias, 2-in., \$2.00 per 100; 3-in., \$3.50 per 100. Cash. These are elegant plants. John Bauscher, Jr., Freeport, Ill.

CLEMATIS

- Clematis paniculata, strong 3-year, \$1.00 per 10, \$7.50 per 100, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100.
F. A. Baller, Bloomington, Ill.
- Clematis paniculata, 2-year, \$4.00 100; \$30.00 1000.
E. Y. Teas & Son, Centerville, Ind.

COCOANUT FIBRE SOIL

- 20th Century Plant Food Co., Beverly, Mass.
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COLEUS

- A. N. Pierson, Inc., Cromwell, Conn.
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- R. Vincent, Jr. & Sons Co., White Marsh, Md.
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- Coleus, yellow, red and variegated, 2-in., heavy, \$2.00 per 100.
Wagner Park Conservatories, Sidney, Ohio.

CUT FLOWER BOXES.

- Edwards Folding Box Co., Philadelphia.
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- Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

- Cyclamen Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

- Herbert, Acto, N. J.
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- Gt. Van Waveren & Kruijff, Sassenheim, Holland.
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- R. Vincent, Jr. & Sons Co., White Marsh, Md.
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- 45,000 field-grown clumps, 2c and up. List ready. H. W. Koerner, Sta. B., Milwaukee, Wis.
- Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.
- Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. E. Alexander, E. Bridge-water, Mass.
- Dahlias, 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.
- DAHLIAS NEW FOR 1911.
Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DAHLIAS—Continued

Dahlia Bulbs for retail trade, \$3 per 100, \$25 per 1000. Each bulb labeled with name, variety and color; 100 lots will contain 5 each of 20 varieties, including Cactus, Show, Decorative, etc.

C. Peirce, Dighton, Mass.

500,000 dahlias, Souvenir de Gustave Doazon, Grand Duke Alexis, Arabella, A. D. Livoni, Ruby Queen, Pearl, Ethel and others. Write for list and prices. Chas. H. Weiss and Sons, Portsmouth, Va., R. F. D. 2.

DAISIES

*Giant double Daisies, mixed, \$2.50 per 1000; 100 prepaid, 40c. Chas. Frost, Kenilworth, N. J.

Marguerites, white, Nice 2½-in. stock, ready for 4-in., \$3.00 per 100.
Wm. Eschrich Co., North Milwaukee, Wis.

DECORATIVE PLANTS

- A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.
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- EASTER PLANTS**
W. W. Edgar Co., Waverley, Mass.
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ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

- New England Nurseries, Bedford, Mass.
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- Eastern Nurseries, Jamaica Plain, Mass.
Broad-Leaved Evergreens.
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- Frank Oechslin, 4911 Quincy Street, Chicago.
Ferns for Dishes.
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- Robert Craig Co., Philadelphia, Pa.
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- F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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- Thomas Roland, Nahant, Mass.
Boston and Scotti Ferns.
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- Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.
- 3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.
- Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

- Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
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- 20th Century Plant Food Co., Beverly, Mass.
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- Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

- Boston Florist Letter Co., 68 Pearl St., Boston, Mass.
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- W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

FLORISTS SUPPLIES

- N. F. McCarthy & Co., 84 Hawley St., Boston.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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- M. Rice & Co., 1220 Race St., Phila., Pa.
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- Reed & Keller, 122 W. 25th St., New York.
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- H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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- Syracuse Pottery Co., Syracuse, N. Y.
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- Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUCHSIAS

Best fuchsias in the market, 2-in., \$2.00 per 100. M. Fenton, West Newton, Pa.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Red Wing, the best 1910 novelty, deep cardinal red. Rooted cuttings, 75c. per doz., prepaid. Chas. Frost, Kenilworth, N. J.

Geraniums—Rooted cuttings, winter delivery, S. A. Nutt, \$11.50 per 1000; Ricard and Pottevine, \$14.00 per 1000. Albert M. Herr, Lancaster, Pa.

Geraniums—S. A. Nutt, R. C., \$10.00 per 1,000; 2½ inch pots, \$20.00 per 1,000; 500 Wm. Langwith pot plants, very fine, at \$4.00 per 100. Cash, please. O. F. Searles, Nashua, N. H., P. O. Box 288.

Geraniums. Mme. Sallerol, 2½-in., strong cool grown plants, \$2.00 per 100; special price on 1000.

J. L. Stone, Trumansburg, N. Y.

Mme. Sallerol geraniums, 2½-in., heavy plants, \$3.00 per 100.
Wagner Park Conservatories, Sidney, Ohio.

In writing to Advertisers kindly mention Horticulture

GLADIOLI

Gladiolus Bulbs. Groff's Hybrids, white and light, pink and shades of pink; 1st size, \$7 per 1000; 2nd size, \$4 per 1000. Blue heliotrope and lavender mixture, \$10 per 1000, 1st prize; 250 at 1000 rates. C. Peirce, Dighton, Mass.

Gladiolus Alice Carey, the best commercial white in cultivation. Flowers of rare substance and extra shipping qualities. No. 1 bulbs, \$5.00 per 100; \$40.00 per 1000. Circulars free.

E. Y. Teas & Son, Centerville, Ind.

Send for our list of choice gladioli and dahlias. Cushman Gladiolus Co., Sylvania, O.

GLASS

Boston Plate & Window Glass Co., Boston
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Standarn Plate Glass Co., 26-30 Sudbury St., Boston.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

Lord & Burnham Co.,
1133 Broadway, New York.
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Pecky Cypress for Benches.
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GREENHOUSE CONSTRUCTION

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Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.
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Hitchings & Co., 1170 Broadway, N. Y.

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.
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The Kervan Co., New York.
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Lord & Burnham Co.,
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Kroeschell Bros. Co., 466 Erie St., Chicago.
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HELIOTROPES.

Heliotrope, dark blue, 2 1/4 in., \$2.00 per 100; 3 1/4 in., \$6.00. Very bushy rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Hertsford, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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James Backhouse & Son, Ltd., York, England.

Alpine and Herbaceous Plants.
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HOLLYHOCKS

Hollyhocks. Double field grown, large blooming size. Separate colors: Red, white, pink, yellow, maroon, bronze and black; also Allegheny strain in mixed colors. All at \$3.00 per 100; \$25.00 per 1000. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOTEL ACCOMMODATIONS FOR NATIONAL FLOWER SHOW

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Hotel Brunswick, Boston, Mass.
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A. T. Stearns Lumber Co., Neponset, Mass.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

Hydrangea arborescens grandiflora, 15 to 20 in., \$10.00 100; 8 to 12 in., \$6.00 100, \$50.00 1000.

E. Y. Teas & Son, Centerville, Ind.

INSECTICIDES.

Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Alpine Manufacturing Co., Madison, N. J.
Aphine.

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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

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GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IRIS

Bobbink & Atkins, Rutherford, N. J.

German and Japanese Iris.

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IVIES

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

English Ivies, 2 1/4 inch in pots, \$4.00 per 100; well rooted cuttings, \$1.00 per 100, \$9.00 per 1000. Home Nursery, Norwood, R. I.

German Ivy, rooted cuttings, \$1.00 per 100. Wagon Floral Co., Columbia City, Ind.

JAPAN MAPLE

Japan Maple in leaf, 6 inch, \$1.00 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

KENTIAS

A. Lenth & Co., Rosindale, Mass.

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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.

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LILIAM MULTIFLORUM AND GIGANTEUM

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Horse Shoe Brand.

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LILY OF THE VALLEY CLUMPS

Wm. Elliott & Sons, New York.

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Lily of the Valley Clumps, \$6.00 per 100. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY PIPS

"Buds," New York, N. Y.

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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

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NIKOTENE APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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NOVELTIES

"REAL NOVELTIES AND
NOVEL REALITIES."

In Hardy Plants.

The biggest collection offered anywhere, is found in our NOVELTY CATALOGUE, just out.

Of great interest to the amateur and commercial grower alike.

It describes and illustrates uncommon plants of singular beauty, desirability and simplicity of growth; inexpensive to acquire.

Besides, our low prices, plants are big, making them valuable, in small or large quantities.

Mailed along with our illustrated wholesale catalogue of Hardy Perennials, etc., on receipt of three 2c. stamps, which pays postage only, and which amount is credited on first order.

PALISADES NURSERIES, INC.,
SPARKILL, N. Y.

Imperative to mention this paper.

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- McClutchison & Co., New York, N. Y.
Direct Importations.
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- Daniel A. Clarke, Fiskeville, R. I.
Ornamental Trees, Shrubs, Vines, Etc.
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- F. W. Kelsey Nursery Co., New York, N. Y.
"Everything Worth Planting."
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- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.
Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SEED

Schluder Bros., Chillicothe, Ohio.
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ONION SETS

- Leonard Seed Co., Chicago, Ill.
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- Schluder Bros., Chillicothe, Ohio.
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- S. D. Woodruff & Sons, New York, N. Y.
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- Choice, sound, unsprouted onion sets.
Yellow, \$1.20; red, \$1.25; white, \$1.60 per 32 lb. bushel. Sacks included. Sluis Seed Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Carrillo & Baldwin, Mamaroneck, N. Y.
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- Ordenez Bros., Madison, N. J., Box 106.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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- Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.
- Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies, \$3.50 per 1000; 100 prepaid, 50c. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

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PELARGONIUMS

Pelargoniums. Surplus stock, large and fine, ready for shift; Mrs. Loyal, \$4.00 per 100; Surprise, Mad. Vibert, Linda, \$5.00 per 100. A. D. Root, Wooster, Ohio.

PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

PERENNIAL PLANTS

J. T. Lovett, Little Silver, N. J.

PETUNIA

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Petunias, Dreer's double fringed, large flowering, in bud and bloom, 3½ in., 4c. Cash. Twin City Greenhouses, Basil, Ohio.

Petunias, double fringed, all colors, 2 in., \$2.00 per 100. Cash.
John Bauscher, Jr., Freeport, Ill.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan E. Graves, 414 Hayward Bldg., Rochester, N. Y.

PLANT STAKES

Seele's Teelless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

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"Riverton Special."
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PIPE AND FITTINGS. Cast Iron and Wrought Pipe, Valves, Elbows, Pipe Hooks, Automatic Air Headers, etc. Lord & Burnham, 1133 Broadway, N. Y.

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German Kall Works, Baltimore, Md.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Primula obconica, elegant plants, in bloom for Easter, 4 in., \$10.00 per 100. Chinese primroses, 4 in., fine plants, \$6.00 per 100. Cash.
John Bauscher, Jr., Freeport, Ill.

PRIVET

Emil Wohler, Narberth, Pa.
California Privet.
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CALIFORNIA PRIVET.

Fine, well-rooted, well-graded, 2-year stock, 12 to 18 in., branched, \$1.25 per 100; \$8.00 per 1000; 18 to 24 in., 3 or more branches, \$1.50 per 100, \$10.00 per 1000; 2 to 3 ft., 4 or more branches, fine, \$2.00 per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or more branches, strong, \$3.00 per 100, \$25.00 per 1000; 3 to 4 ft., 8 or more branches, extra selected, \$4.00 per 100; \$35.00 per 1000. Only strong branches counted in grading. Special low rates on car lots. All packed to carry safely, free of charge. Chas. Black, Hightstown, N. J.

California privet, 3 to 5 branches, 12 to 18 in., \$7.00 per 1000; 18 to 24 in., \$9.00 per 1000; 2 to 3 ft., \$12.00 per 1000. 5 to 8 branches, 18 to 24 in., \$12.00 per 1000; 2 to 2½ ft., \$15.00 per 1000; 2½ to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000; 8 to 12 in., for lining out, \$4.00 per 1000. F. O. B. Cash with order. 250 at 1000 rate. Southside Nurseries, Chester, Va.

200,000 California Privet, all sizes at price of 1 year. 10,000 Ampelopsis Veitchii and Clematis Paniculata, heavy, 1 and 2 year old, field-grown vines, 2 to 3 feet, and 3 to 4 feet, at 4 and 9 cents. List free. Benjamin Connell, Florist, Merchantville, N. J.

50,000 2-year California privet, cut back once and well branched, 1 to 2 ft., \$12.00 per 1000; 2 to 3 ft., \$15.00 per 1000.
Chas. L. Smith, Pennsgrove, N. J.

200,000 California Privet, all sizes at price of 1 year. 10,000 Ampelopsis Veitchii and Clematis Paniculata, heavy, 1 and 2 year old, field-grown vines, 2 to 3 feet, and 3 to 4 feet, at 4 and 9 cents. List free. Benjamin Connell, Florist, Merchantville, N. J.

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Chas. L. Smith, Pennsgrove, N. J.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

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Florists' Flower Seeds.
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SMILAX PLANTS

Smilax seedlings, 3 times cut back, 50c per 100; \$3.50 per 1000. Smilax, 2½-in., 2 times cut back, \$2.00 per 100; \$16.00 per 1000. Cash. John Bauscher, Jr., Freeport, Ill.

Smilax, strong stock, good value, several times cut back. Seedlings, 50c 100, \$4.00 1000; 2½ inch stock, \$2.00 100, \$17.00 1000. Cash. Freeport Floral Co., Freeport, Ill.

SPHAGNUM MOSS

J. H. Sprague, Barnegat, N. J.
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Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPIREA

Spiraea Gladstonii in bud; nice plants, \$4.00 per dozen. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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STRAWBERRY PLANTS

Send for free circular about my new ever-bearing strawberry, Dewdrop. Largest in the world; bears first year.
H. F. Dew, Albion, Mich.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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TRITOMA PFITZERI

Tritoma Pfitzeri, the best of the Red Hot Pokers for cut flowers. Divisions, single crowns, \$4.00 per 100, \$30.00 per 1000; double and triple crowns, \$6.00 per 100, \$50.00 per 1000; clumps, \$8.00 per 100, \$70.00 per 1000. Thomas J. Oberlin, Sinking Spring, Pa.

Tritoma Pfitzeri, \$5.00 100.
E. Y. Teas & Son, Centerville, Ind.

VEGETABLE PLANTS

Asparagus Conover's and Mammoth White at 75c per 100, \$5.00 per 1000.
Wagner Park Conservatories, Sidney, Ohio.

VENTILATING APPARATUS

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VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway, N. Y.

VINCAS

Vinca minor, a hardy evergreen trailing vine, green leaves, blue flowers, useful for planting under trees, for binding banks to prevent washing, for covering graves, etc. Strong transplanted plants, \$3.00 per 100; \$25.00 per 1000.

Vinca minor variegata aurea, similar to above, only the green leaves are broadly banded with golden yellow. Transplanted plants, \$1.00 per doz.; \$5.00 per 100.

E. Y. Teas & Son, Centerville, Ind.

Vinca variegata rooted cuttings, \$1.00 per 100; \$8.00 per 1000. Orders booked for delivery at any time. Russell Bros., R. R. 4, Syracuse, N. Y.

Vinca variegata rooted cuttings, strong, well rooted, 75c per 100; 2½-in., \$2.00 per 100, \$18.50 per 1000. Cash.

Freeport Floral Co., Freeport, Ill.

Vinca variegata rooted cuttings, 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gillmet, Moylan, Del. Co., Pa.

WIREWOK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

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WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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"SPENCER" SWEET PEAS.

W. Atlee Burpee Co., Philadelphia, Pa.
For page see List of Advertisers.

SELF-WATERING FLOWER POT.

William W. Lewis, Boston, Mass.
For page see List of Advertisers.

SPRINKLE-PROOF RIBBON AND SPRINKLE-PROOF CHIFFONS.

Wertheimer Bros., New York, N. Y.
For page see List of Advertisers.

STRAWBERRY PLANTS.

Wilfrid Wheeler, Concord, Mass.
For page see List of Advertisers.

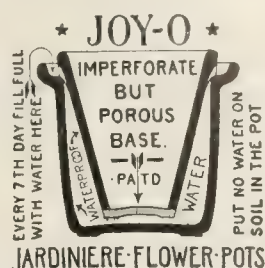
WHOLESALE FLORIST.

Charles Weiss & Sons, New York, N. Y.
For page see List of Advertisers.



DO NOT WATER PLANTS

IN THE HOUSE



MORE THAN ONCE A WEEK
if in Joy-O Pots or Pans, which
are Self Watering for Eight Days

SIMPLE, CLEAN, DURABLE
TIME, LABOR and PLANT SAVING

USEFUL in Conservatory and Greenhouse
IDEAL and INDISPENSABLE in the House

FOTTLER-FISKE-RAWSON CO.

NATIONAL FLOWER-SHOW, MECHANICS BLDG.

W. W. LEWIS, Mfr., 15 Exchange St., Boston, Mass.

Circulars and Testimonials on Application

FOR **"POT LUCK"** TRY
US...
HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Pearson Street,
LONG ISLAND CITY, N. Y.

Main Office and Factories
CAMBRIDGE, MASS.

AN IRRIGATING FLOWER POT.

It is generally conceded that lack of adequate and regular watering is responsible for by far the larger number of failures of amateurs who attempt window gardens in dwelling houses. Watering may be neglected until roots of plants are dried out and killed, or so little water may be applied that it never penetrates to roots, or so much water may be supplied that combined with defective drainage the soil may be soured and roots may rot. It is claimed by the manufacturers of the Joy-O Jardiniere and Pots advertised in this paper that this recently devised pot banishes all the above troubles, if only water is supplied at least once in every eight days and the owner of the plants may be absent for a week or even ten days without detriment to the plants for lack of water, provided the reservoir is filled the day of departure, a feature which will at once appeal to most amateurs.

The pot is composed of two parts, the pot proper, and the reservoir into which the pot fits with sufficient space between the walls of the pot and reservoir. The pot holding the plant is made with imperforate bottom and

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate		Price per crate	
1500	2in. pots in crate \$4.88	144	6 in. pots in crate \$3.26
1590	2 1/4 " " 5.25	120	7 " " 4.20
1500	2 1/2 " " 6.00	60	8 " " 3.00
HAND MADE			
1000	3 " " 5.00	48	9in. pots in crate \$3.60
800	3 1/2 " " 5.80	48	10 " " 4.80
500	4 " " 4.50	24	11 " " 3.60
456	4 1/2 " " 5.24	24	12 " " 4.80
320	5 " " 4.51	12	14 " " 4.80
210	5 1/2 " " 3.78	6	16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

HILLFINGER BROS., Pottery, Fort Edward, N.Y.

August Roiker & Sons, Agts. 31 Barclay St., N. Y. City.

its side walls are glazed externally so as to restrict to the porous base the flow of water which percolates slowly through the pores of the clay, reaches the inside of the pot, rises through the soil to roots of plant and finally the surplus evaporates from the surface—practically a scheme of sub-irrigation.

The pots are of pleasing shape and do not show disfigurements due to salts or vegetation, and need no covering to make them presentable. They should make a good selling article for the florist.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay. New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY
FOR OUR

Florist' Red Pots
is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us. THE PETERS & REED POTTERY CO. Zanesville, Ohio

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.

In Writing to Advertisers
Kindly Mention "HORTICUL-
TURE."

GOVERNMENT POSITIONS OPEN.

An examination will be held by the Civil Service Commission to secure eligibles to fill a vacancy in the position of statistician in forest products at a salary of \$1,500 per annum, in the Forest Service, Department of Agriculture, and also to fill other vacancies requiring similar qualifications as they may occur at different places in the same service. Men only will be admitted to this examination, which will be held on April 19, 1911.

The subjects are as follows: statistical methods; manufacture and use of forest products; markets and distribution of forest products; training and experience.

Applicants must be twenty-two and under forty-two years of age. They should communicate at once with the Civil Service Commission, Washington, D. C., or with the secretary of the local board of examiners, for application and examination Form 1312. No application will be accepted unless properly executed and filed with the Commission at Washington prior to April 8, 1911.

An examination will be held by the Civil Service Commission on April 19 to secure eligibles for the position of laboratory aid in the Bureau of Plant Industry, Department of Agriculture. The usual entrance salary for this position is \$600 per year. Applicants must be over seventeen and under twenty-five years of age.

The subjects in which the applicant is examined are: spelling, arithmetic penmanship, report writing, copying and correcting manuscript, outline drawing, and physics. The latter subject will only cover such ground as a high school student would cover.

The duties of a laboratory aid include aid in securing and reporting scientific data in connection with various projects, such as cotton standardization, fibre investigations, examination of paper and pulp, the technology of wheat and other grains, and also general laboratory work.

BEAUTIFYING WASHINGTON.

The campaign for the beautification of Washington is in full swing. The Peoples' Garden Association is determined to make this capital one of the most beautiful in the world, and the Association numbers among its members some of the wealthiest, brainiest, and most enterprising of Washington's citizens. One of the most enthusiastic advocates is President Fairchild, whose connection with the Department of Agriculture makes him eminently fitted for the task he has imposed upon himself. In the opinion of Mr. Fairchild, Washington is peculiarly well situated and possesses a combination of circumstances absolutely unique to aid in the beautification of the city. Washington's street and avenue trees are already famous and the city owes a great debt of gratitude and appreciation to William R. Smith, superintendent of the U. S. Botanical Garden, as the leading spirit in the planting of these trees which have done more than any other feature to make Washington attractive and healthful.



The Toledo Jardinere and Stand

is a work of art. They are made from quartered white oak, golden finish and polished. Hoops, handles, etc., are made of polished brass. They stand 31½ inches high, 9½ inches in diameter.

Toledo Tree Tubs

are made of the everlasting red cedar. They have the extension stave foot, that holds the tub up from floor or carpet, this feature permits air circulation between the tub and the floor,

also prevents rot and decaying. They have electric welded galvanized basic steel wire hoops that will not rust or break. They are made in all sizes from two quarts to two barrels.

Write us for catalogue and prices

Sold by FOTTLER, FISKE, RAWSON CO.
BOSTON, - MASS.

Manufactured by
AMERICAN WOODENWARE M'F'G. CO.
TOLEDO, OHIO



MISSION TUBS, WINDOW BOXES

Columns and Pergolas, Lattice Work
for Formal Gardens.

ARCHITECTURAL AND DECORATIVE WOOD WORK,
FLORISTS' ICE BOXES, Etc.

FORSTER MANSFIELD M'F'G. CO.

ANDRE BEAUPLAN, Proprietor

Tel. 4254
Madison Sq.

Office and Factory, 145 West 28th St., NEW YORK.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa

ARTIFICIAL FLOWERS OF PAPER

Beautiful and inexpensive decorations for Churches, Weddings, etc., furnished to florists. Send 50c for full line of samples, with wholesale prices attached.

Ask for our handsome new catalogue

The Chicago Artificial Flower Co., 4813-15 North 40th Ave. Chicago, Ill.

Kasting's Special Plant Tub

THE NEWEST AND BEST PLANT TUB ON THE MARKET FOR THE MONEY

Made of Cypress, Painted Green with Welded Hoops



LIST PRICES AND DIMENSIONS

No.	Inside Top Diameter	Inside Bottom Diameter	Inside Depth	Thick. of Stave	Holes in Bottom	Price Each
2	7	5	7	3/8	3 1/2	\$.35
3	8	6	8	3/8	3 1/2	.40
4	9	7	9	3/8	3 1/2	.45
5	10	7 1/2	9	7-16	3 1/2	.50
6	11	8 1/2	10	1 1/8	3 1/2	.65
7	12	9	11	1 1/8	3 1/2	.75
8	13	10	12	1 1/8	3 1/2	1.05
9	14	11	13	5/8	3 1/2	1.15
10	15	11 1/2	14	5/8	3 3/8	1.25
11	16	12 1/2	15	5/8	3 3/8	1.40
12	17	13 1/2	16	5/8	3 3/8	1.65
13	18	14 1/2	17	5/8	3 3/8	2.00
14	19	15 1/2	18	5/8	3 3/8	2.35

10 per cent. discount in dozen lots 20 per cent. discount in hundred lots

30 per cent. discount in two hundred and fifty lots and up

These prices are only for the quantities above specified. Sizes from No. 8 up with handles.

Special 10 per cent. discount on the above prices in addition to regular discounts.

JAPANESE BAMBOO CANES

		Hundred	Thousand
10 ft. Natural,	500 to bale.....	\$1.75	\$16.00
8 ft. " "	1000 to bale.....	1.25	11.50
6 ft. " "	1000 to bale.....	.85	6.00
6 ft. " "	2000 to bale.....	.85	5.50
4 ft. Painted Green,	2500 to bale.....	.75	6.00
3 1/2 ft. " "	2500 to bale.....	.65	5.50
3 ft. " "	2500 to bale.....	.60	5.00
2 ft. " "	5000 to bale.....	.40	3.50
1 1/2 ft. " "	5000 to bale.....	.35	3.00
1 ft. " "	5000 to bale.....	.30	2.50

Special 10 per cent. discount on above prices.

COLD STORAGE BULBS

		Hundred	Thousand
7 x 9, 300 to the case	.....	\$7.00	\$60.00
9 x 10, 200 to the case	.....	10.00	90.00
7 x 9, 250 to the case	.....	7.00	60.00
8 x 9, 235 to the case	.....	8.00	70.00

Case Lots at 1000 Rates

		Hundred	Thousand
7 x 9, 300 to the case	.....	\$7.00	\$60.00
8 x 10, 225 to the case	.....	10.00	90.00
9 x 10, 200 to the case	.....	12.00	100.00

Case Lots at 1000 Rates

Lilium Magnificum,	8 x 9, 200 to the case.....	\$5.50	\$52.50
" "	8 x 9, 225 to the case.....	5.50	52.50
Lilium Auratum,	8 x 9, 160 to the case.....	5.50	50.00
" "	8 x 9, 130 to the case.....	5.50	50.00
" Album,	8 x 9, 220 to the case.....	8.50	80.00
" "	8 x 9, 200 to the case.....	8.50	80.00
" "	8 x 9, 225 to the case.....	8.50	80.00

Special 5 per cent. discount on above prices for immediate delivery. Prices will advance on all cold storage bulbs April 1st. We are booking orders now for summer and fall delivery for 1911, on Harrisii Formosum, Giganteum, Magnificum, Auratum, Album, Dutch bulbs, Paper Whites, Azaleas, Spirea, also on 1912 Cold Storage Bulbs. Write us for prices, they will interest you. We handle only the best and guarantee satisfaction.

Caladiums (fine stock): 5-7, \$1.50 Hd., \$12.50 M.; 7-9, \$3.00 Hd., \$25.00 M.

Special 10% discount on above

Evergreen Brand Flower and Lawn Fertilizer

The Most Scientific Preparation on the Market

100-pound Drums.....\$16.00 12-pound Cans, per can.....\$2.00
One-half-pound Cans, \$2.00 dozen; \$15.00 hundred

Special 10% discount.

Write us for special prices in quantities.

WM. F. KASTING CO., Wholesale Florists
383-387 ELLICOTT ST., BUFFALO, N. Y.

PUBLICATIONS RECEIVED.

Under the Roof of the Jungle—A book of animal life in the Guiana wilds. By Charles Livingston Bull. 60 full page plates from drawings from life by the author. L. C. Page & Co., Boston, publishers. Charles Livingston Bull is primarily an artist, well-known as the illustrator of many magazine articles, and books such as Watchers of the Trails, by C. B. G. Roberts; Call of the Wild, by Jack London, etc. The books before us is a series of vivid word pictures of tropical nights, tragedies of the forest wilds and weird tales of reprisal and calamity to the denizens of the woods, amongst the lavish beauty and grace of orchids, anthuriums and other floral spendors of the tropics. The author frankly acknowledges that his book was inspired by the recorded adventures of Charles Waterton in British Guiana one hundred years ago, and we can see the evidence throughout that the pages are more in the way of the impressions of the artist than the experiences of the explorer. The book may not appeal so much to the naturalist as to the impressionable student, but here it will fill a place of no small usefulness in developing a keen interest in the great natural resources of these tropical countries and the life history of the animals, reptiles, birds and insects that make their home in the jungle.

"Adorning the Beulah Land of the Hither Shore and How to Become an Extinguished Minister." By C. S. Harrison, York, Neb.—This 60-page book is in Mr. Harrison's best vein. It is largely a series of incidents in the busy eventful life of the author, interwoven with inspiring suggestion and a sunshiny humor fully up to the best efforts of that other genial writer, the late Rev Dean Hole. We have always enjoyed reading anything written by this "79-year-young" apostle of Christianity and horticulture. We hope the grand old pioneer will yet stay many years to adorn Beulah Land.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company
31 Union Stock Yards Chicago

Are You Selling Fruit From your Orchard?



Perhaps you are getting enough fruit for your own use from your orchard, but do you have any to sell?

DEMING SPRAYERS

Will help you get "bumper crops." They keep the trees free from insects so they can bear bigger crops of better fruit. Why not raise enough to sell?

Write for circulars and spraying formulae from
CHARLES J. JAGER COMPANY
2015 FRANKLIN STREET, JOSTON, MASS. AND
23 CANAL ST. PROVIDENCE, R. I.

FUNGINE

The Newly Discovered Fungicide

An Invaluable Remedy for Mildew, Rust and other Fungus Diseases

IT ERADICATES RUST.

"BLANTYRE" GARDENS.

Thomas Proctor, Supt.

Lenox, Mass., Feb. 24, 1911.

Aphine Manufacturing Company, Madison, N. J.

Dear Sirs:—Replying to your letter of the 21st, in which you request me to advise you as to the results of my trials with your Fungine, I have not had an opportunity of testing its merits on mildew, but, I can, however, unqualifiedly recommend it as being a very effective remedy for Carnation Rust. I bought in some new carnations sometime ago—that were in a bad state with Rust on their arrival—their leaves were completely covered, and after two applications, at proportions of one part Fungine to forty parts water, I found it had the desired effect. For this reason I gladly endorse it.

Yours very truly,

THOMAS PROCTOR.

IT DESTROYS MILDEW.

Farmington, Conn., Feb. 23, 1911.

Aphine Manufacturing Company, Madison, N. J.

Dear Sirs:—In reply to yours of the 21st inst., I would say that my experience with Fungine for mildew has been very satisfactory. I think it is much better and easier than the old way of dusting the plants and painting steam pipes.

The first time I used it I was rather disappointed as it turned the wood-work in the houses, wherever the spray hit it, a dirty yellow, but this all disappeared in a few days.

I have not tried it for rust, but cannot see why Fungine is not going to be to the florists and gardeners what the lime and sulphur wash is to the pomologists.

For black, green and white fly, mealy bug and thrip I have not used anything this season but Aphine. The greenhouses have not been fumigated and plants are in a fine healthy condition.

Yours respectfully,

WARRAN S. MASON, Grd. to A. A. Pope.

IT CURES ROOT ROT.

ZIEGER & SONS

Growers of Decorative Greens and Flowers

Palms Ferns Novelties

Germantown, Philadelphia, Pa., February 23d, 1911.

Aphine Manufacturing Company, Madison, N. J.

Gentlemen:—Concerning the Fungine: we may say that we have not had much occasion to use it, however, we had one delightful experience with it. We had quite a few thousand chrysanthemum cuttings inserted in old sand which had been left in one of our cold houses. As our propagator is accustomed to do, he saturated the sand and kept the cuttings very wet, which caused rot and fungus. The writer noticing this apparent loss went to the Fungine purchased from you. We used it one part to twenty-five parts water and sprayed the entire lot of dampened and partly rotted cuttings, thinking that these cuttings (of which there were several thousand) might as well die one way as another, but to our great surprise, these cuttings after the single application, a thorough one at that, turned to a light green color and seemed to extract the fungus which sort of foamed up and separated from the decay (similar to peroxide on a healing wound).

Now these cuttings at this writing have nearly all made good healthy roots, although a few cuttings rotted in the sand but made roots above the decayed part, which seems remarkable to us. It is not necessary to say that for this experience alone we are highly pleased with the results obtained with Fungine used as above, which is far more than we had ever expected.

We beg to take the liberty to state that Aphine does all it is recommended to do in a very satisfactory manner.

Yours very truly,

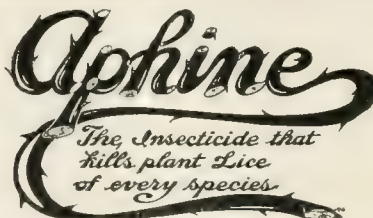
ZIEGER & SONS.

Ernest J. F. Zieger, Sec'y.

FUNGINE, \$2.00 per gal., 75 cents per qt.

For

House



And

Garden

KNOWN AND USED THE WORLD OVER.

Entebbe, UGANDA (Central Africa), Jan. 16, 1911.

Sirs:—Kindly supply me with sufficient Aphine to ensure a fair trial. I should be glad to experiment with this insecticide.

W. GOWDEY, Government Entomologist.

Fritz Bahr says in his article on Lilies in the Florists Exchange of February 18th, 1911:

"We have given our lilies a weak dose of Aphine once a week since they have occupied space on top of the bench, and thus far we haven't noticed even a trace of the pests; that ought to prove that greenflies are not very fond of the stuff, for if there's anything they do like, it is to get into tops of the lilies and it takes an awful lot of coaxing to get them out."

APHINE, \$2.50 per gal., \$1.00 per qt.

For Sale by Seedsmen. If you cannot obtain them from your dealer write us for name of nearest selling agent.

Manufactured by **APHINE M'F'G CO., MADISON, N. J.**

Tobacco Paper

IS THE

**STRONGEST,
BEST PACKED,
EASIEST APPLIED.**

24 sheets.....\$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST.

Furnishes the

Most Nicotine for the Money

JUST NOTE PRICE!

Pint.....\$ 1.50
1/2 Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

...Manufactured by...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.



**The Best
Bug Killer and
Bloom Saver**

For PROOF
Write to

P.R. Palethorpe Co.
OWENSBORO, KY.

Potatoes			
year	Bu.	Sold at	Amt.
1906	222	90¢	\$199.80
1907	191	80¢	\$152.80
1908	146	72¢	\$115.12
Added Sulphate of Potash to it			
1909	291	85¢	\$247.35
1910	358	\$1.00	\$358.00

Figures Do Not Always Lie

Results even more striking than these have proved—both to agricultural experimenters and practical farmers—that **Potash Pays.**

Every potato fertilizer should contain 10 per cent. of

POTASH

We have put into handy booklet form valuable information on fertilizers. What they are and how to mix them at home, free from filler. These books are **free.**

Send for them and learn how to get a larger yield and better quality of crop than you are now getting.

We sell Potash in any quantity from 200 pounds up. Ask your dealer, or write us for prices today.

GERMAN KALI WORKS, Inc.

Baltimore—Continental Building
Chicago—Monadnock Block
New Orleans—Whitney Central Bank Building

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., 52.50

Stump & Walter Co.
50 Barclay St.,
New York.

Ground Limestone vs. Burned Lime

FOR SOIL IMPROVEMENT

CONSIDER THE FACTS. Send for our circulars showing actual results in comparative tests, at the Pennsylvania, Maryland and Virginia Experiment Stations. Positive proof is shown that the former will not injure the seed or the soil, as many times happens with the latter. No need to worry about getting on too much. It is the cleanest, neatest and pleasantest form of lime to handle. Does not burst the bags. Do not consider **PRICE** alone. Think of your **OWN COMFORT** also. After one trial you will be satisfied to have paid our price. It will yield a better proportionate return for the money invested than any one fertilizer you have ever bought.

We have a limestone high in **LIME** and **LOW** in magnesia, an ideal type for most soils. We grind it to pass (80%) through an 80 mesh screen (6400 holes per square inch). It is put up in 100 pound paper or burlap bags. We ship it in a car (if 5 tons or more) direct to your nearest siding. **DON'T FORGET** that we **BURN** lime also. We will be glad to sell you that **TOO**, but we want you to give ground limestone a thorough trial. Send for circulars, samples and prices. Get your order in early.

THE STEARNS LIME COMPANY,

DANBURY, CONN.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

NIKOTEEEN The most effective and economical material there is for spraying plants and blooms.

NIKOTEEEN Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply.

NIKOTEEEN Does the work when vaporized either in pans, on pipes, or over a flame.

Full Pint Bottles, \$1.50.

NIKOTEEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

*green Flies and
Black ones too*

are easy to kill with **The Fumigating Kind**
TOBACCO POWDER \$3.00 per bag 180 lbs.

Satisfaction guaranteed or money back:
why try cheap substitutes that makers do
not dare to guarantee

THE H. A. STOOTHOFF CO. MOUNT VERNON, N. Y.

PRATT'S
"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.



IN USE SINCE 1886

HAMMOND'S Grape Dust

Registered in U. S. Patent Office

KILLS MILDEW INDOORS AND OUT

Contains Sulphur 64 per cent., Copper Sulphate 3 per cent. U. S. P.

Now, in regards to your "Grape Dust," I must say that when I first heard of it I had but little faith in it, because I had tried all the remedies for Mildew I had ever heard of, but they were of little value. It seems that my location favors Mildew especially. When other Florists are but little troubled, my houses are generally well covered with the Mildew, so when I sent for the first keg of "Grape Dust" my Roses were almost worthless, but since using the "Grape Dust" my Roses are the "Picture of Health." There is not a vestige of Mildew to be seen on my place, and my Roses fetch double the price; besides, I have saved a month of firing, which I used to be compelled to do to kill Mildew.

Yours respectfully,
To Hammond's Slug Shot Works.

F. J. A. SCHAEFER, Florist,
Newburgh, N. Y.

Hammond's Paint and Slug Shot Works

FISHKILL-ON-HUDSON, N. Y.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Bettendorf, Iowa—Wm. Goos, addition.

Beverly, Mass.—Charles Giles, one house.

Hartford, Conn.—I. Lorenzen & Son, one house.

Wesport, N. H.—Hyponeco Greenhouses, one house.

Davenport, Iowa—Ludwig Stapp, one 300 foot house.

Newport, R. I.—R. Livingston-Beekman Estate, range of fruit houses.

Anaconda, Mont.—R. M. Grieg, range of rose and carnation houses.

Hollywood, Calif.—The Cocos & Kentia Co., house 36 by 60 feet.

Newark, N. J.—A. Begerow, carnation house 16 by 215 feet. C. H. Dodd, construction.

Northport, L. I., N. Y.—J. D. Cockcroft, carnation house 55 by 400 feet; chrysanthemum house and one sweet pea house each 25 by 150 feet. John A. Payne construction.

PATENTS GRANTED.

986,426. Seed Testing Cabinet. Burton Henry Adams and Walter Clark Adams, Decorah, Iowa.

986,875. Floral and Display Refrigerator. Roswell L. Tilghman, Birmingham, Ala., assignor to Tilghman Refrigerator Company, Birmingham, Ala.

987,008. Combined Hoe and Rake. Herbert Lee McKibbin, Clayton, Mo.

Preserve Your Woodwork

You can double the life of all your exposed lumber—benches, posts, sills and planking—and save dollars in material and labor for every cent that it costs, by using

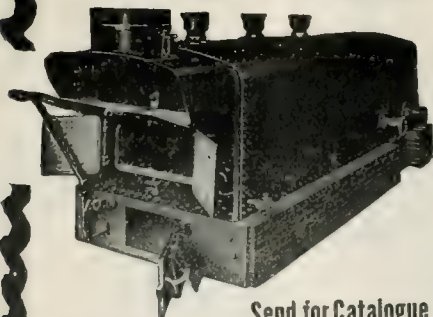
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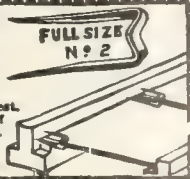
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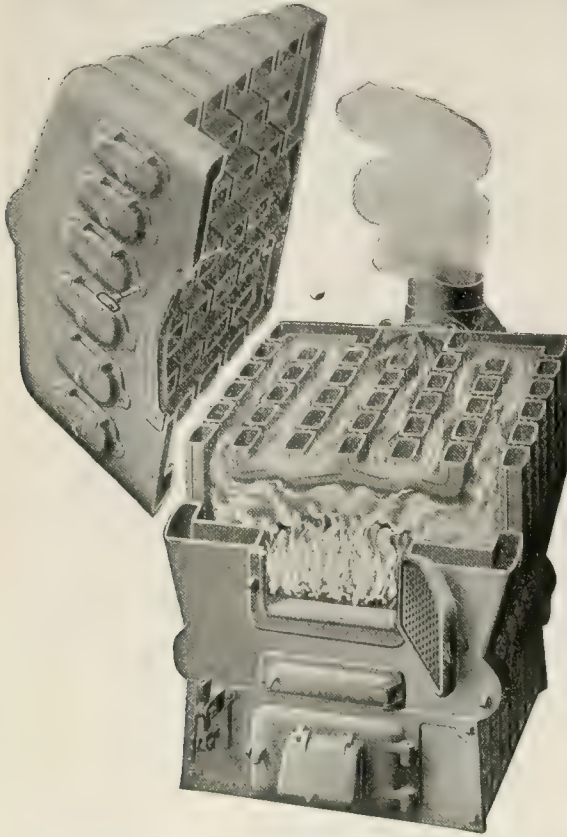
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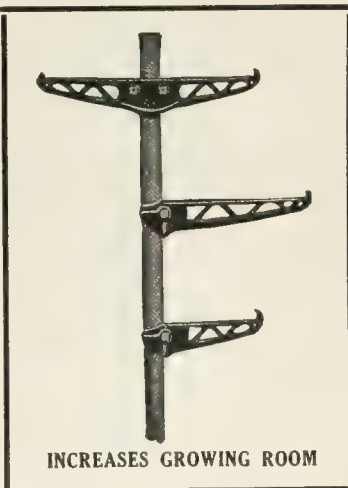
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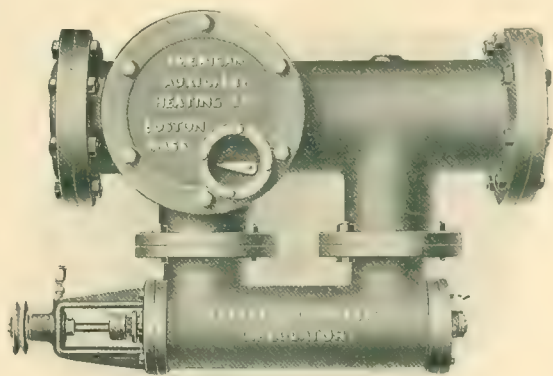
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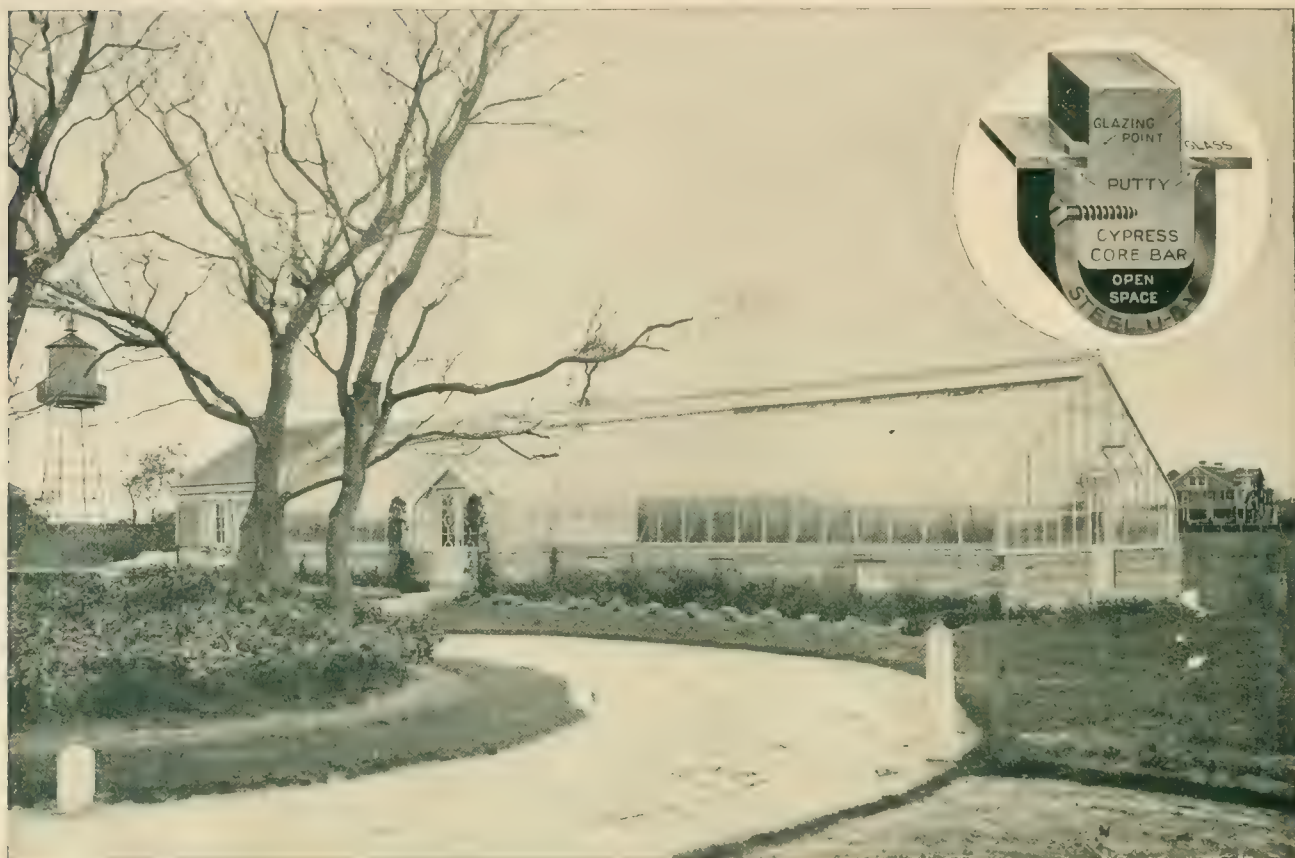
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HORTICULTURE

Vol. XIII.

APRIL 1, 1911

No. 13

NEW YORK
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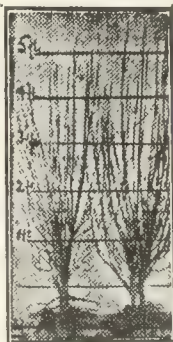
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Strong healthy plants, ready for April and later de-
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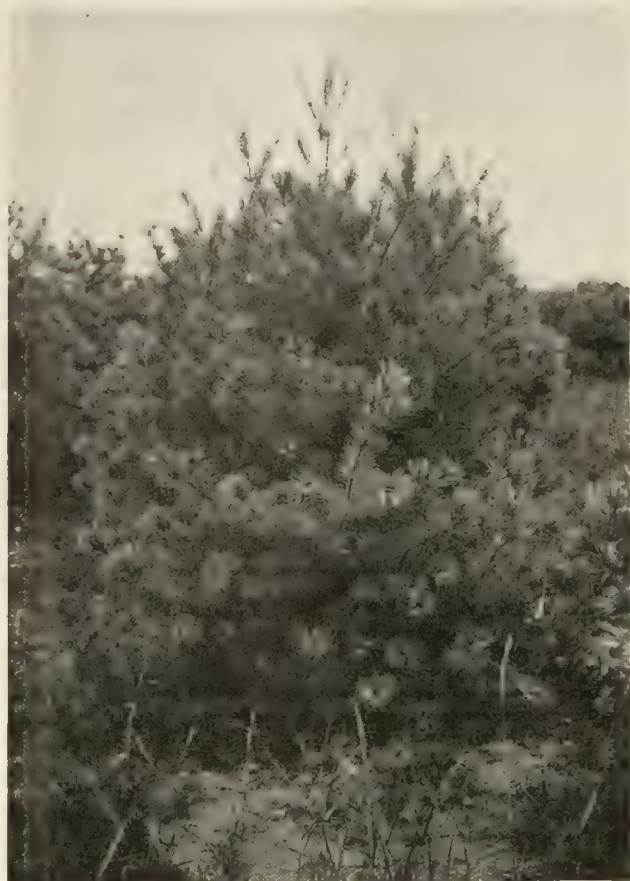
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Figs started in February will now be making good growth and the first crop of fruit swelling. With three or four fully-developed leaves maintain a night temperature of 55 to 60 degrees. Admit a little air as soon as 70 degrees has been reached in a morning, applying a crack at first and advancing as sun increases. From now on what is known as stopping or pinching will have to be continually resorted to. This is pinching out the point of the growth as every four or five leaves develop, which checks it for a time at the apex and concentrates more sap and energy on to the small fruit (the second crop) which will be found in the axils of the leaves. This can be done at intervals as the growth of the tree progresses and the shoots tied in their places on the trellis. This is applicable also to trees being grown in pots or tubs in bush form. Stopping must be done and later on a stake to support the heavy growth will be beneficial. Figs throughout the growing season like a very humid atmosphere as well as a plentiful supply of water to the roots.

CROPPING VINES

This is a vital question when one considers that the life of the vines depends on the crops they are asked to carry. Young vines especially are easily ruined by over-cropping. Aerial roots become numerous—a sure sign that they are seeking more support; shanking will probably show before the crop is finished and berries will never color and finish as they should do. These evils may take a few years to show themselves and at times we wonder why they are so. Probably the canes were run up in a year or two and never cut back as they should have been. Each year a heavy crop was carried, perhaps finishing up well, but it is time that tells. Youth always was served but as soon as youth is gone "look out." If vines are to be built up to last they must be done so gradually each succeeding year seeing another length of young cane added, which in turn means more fruiting spurs and more bunches. For the first year of planting (from a pot) no fruit should be carried. Prune back to two eyes and grow for another season. The next year if canes are strong leave about four feet of rod and carry two bunches, building on a little each year. If weak at all, prune back harder and do not crop. All depends on the strength of the vine itself. In this way a rod is built up with a constitution which will stand the test of time. On the other hand a house can be filled in a couple of years and heavy crops carried for a time, then you want new vines and borders. Well-established and full-grown vines will carry approximately one bunch to each two feet of rod, but much depends on the variety and treatment given them. Never allow two bunches on the same lateral.

PEACH TREES STONING

This is the most critical time during the whole growth of the fruit. An imperfect stone means an N. G. peach. Numerous fruits will also refuse to stone and drop off if not assisted. This is one of nature's ways of thinning a crop, but if they have been already thinned and evenly distributed over the whole tree none should drop now. Relieving it of part of the crop early insures an even crop to finish, no two fruits spoiling each other here and none at all elsewhere. Early started trees in pots will

now be stoning and should have the temperature dropped a few degrees. Do not try to rush at all at this stage. Give as much air as possible. Frequent dilutions of lime in the water (enough to nicely color it) is a great help to stone formation. Do not give any feeding in any form until the second swelling commences, when a final thinning can be made and food in the form of suitable manure given.

MELON BEDS AND CROPS

A diversity of opinion exists as to whether a heavy or sandy soil is preferable for melons. Soil does not appear to be such a great factor with melons as it is with some crops. Both soils will produce a good crop when properly handled. Of the two a heavy fibrous loam is to be preferred as this will allow of lime rubble and charcoal being added—even sand if very close and heavy. Using a small bed, this heavier loam is preferable through the summer as it will keep moist longer. Bed need not be more than eighteen inches wide and four inches deep and made quite firm. This makes a sturdy growth, being less liable to canker and other diseases. The addition of lime rubble and charcoal must be governed by the texture of the loam. We find good results are obtained by cutting the sod up into good-sized lumps and mixing the other ingredients into it. If whole turfs are used a little can be laid between them and included in the mounds. From now on plants are best planted twenty-one inches apart, but in early houses and again towards fall one foot will be far enough. This may seem close but it has proved to be satisfactory and has advantages over the longer distance, in that more fruits can be produced with a greater degree of certainty. It is an easy matter to get a set of two fruits to the plant, but not always so to get three or four, and these plants which are planted closer will make better-sized fruit than one plant at the longer distance carrying four. Through the summer time when melons grow so luxuriantly the latter method is preferable.

VEGETABLE HOUSES

Vegetable houses which have been doing service along through the winter will now be easing up as the crops are able to be transferred to the open grounds. Late tomatoes, beans, peas, spinach, etc., will still command attention, but will not need replenishing. The houses can be profitably used for a time by growing melons which can be planted on a slightly raised mound of sandy loam on the bench and allowed to grow without any restrictions. A few seeds can be sown at once in a pan and potted on into threes. Should room still be scarce, pot on again into sixes and transfer to the bench from the latter. This will give you melons several weeks ahead of those sown in the open and these are especially appreciated if no greenhouse varieties are grown. Such varieties as Seth Low, Rocky Ford, and Emerald Gem will answer the purpose well. The treatment of these will be quite different from greenhouse varieties.

George H. Benson

In Mr. Benson's notes a few errors escaped the proof reader's scrutiny in the issue of March 18. Referring to the scion, read "can take the form of a vine in a pot, easily placed in position OR a lateral." Regarding thinning of grapes for "the grafting of bunches can be reduced," read "the QUANTITY of bunches," etc.

HORTICULTURE

VOL. XIII

APRIL 1, 1911

NO. 13

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (12 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879

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"Getting there"

For the present week Boston is in the grasp of the gardener and florist and his product, as no city in the country has ever before been. They came and they have conquered and the proverbial austerity of the New England character has simply melted in the warmth and geniality of the flowers' inspiring presence. "The most beautiful spectacle ever seen in Boston or elsewhere" is what one of the daily newspapers says of this supreme effort of the allied floral organizations. A magnificent success in every other respect, it now only remains for the financial results to be computed and should this, too, be a success in the same degree, then, indeed, we have surely entered upon a new and glorious era for the horticulturists of America.

Cheap glass and its effect

We listened with interest to the discussion in the American Rose Society meeting on the question of glass tariff and glass prices. The unprecedentedly low price at which glass may be bought is not regarded by well-intrenched growers as an unmixed blessing, however favorably the new operator may regard it. The inducement to large greenhouse building enterprises during the coming season carries with it the thought of overproduction and falling market values on the product and naturally the men who are in don't take kindly to such a possibility. Yet, after all, as one speaker said at the discussion in question, it is largely a waste of time for even the rose growing interests to talk about influencing tariff legislation to any appreciable extent on such a commodity as glass, in which their strength as consumers is infinitesimal as compared with the total consumption. After all, is it not more in line with good business policy to devote time and thought to the question of how to enlarge the demand for our goods rather than to the futile task of trying to curtail expansion and limit production?

A choice of routes

The old problem of how to unite in one society the active support of trade and amateur interests is again brought to the surface by the American Rose Society. It is offered in evidence of the possibility of such an alliance that it has been done in England, hence is not impossible here. Perhaps it is not an impossibility and we grant that it would give a great strength to the organization if a favorable solution may be found. But the Rose Society is not yet in a position financially or otherwise to take any risks of cooling the ardor of such trade support as it has succeeded in rallying to its cause, and that is just what is liable to be the outcome of a change of base under present conditions. Across the water social and other relationships are quite different from what they are here, as everybody knows, and it is obvious that there is a limit to the distance we can successfully follow their lead in such matters, even though the object sought be a laudable one. In this instance there are still some wide gaps to be bridged between the two extremes and it will be well to "go slow." Eloquent pleading and practical doing don't always travel the same road.

Seasonable Notes on Culture of Florists' Stock

AMARYLLIS

The display of bloom on these plants depends in a great measure on the care and preparation of the bulbs the year previous to flowering. As they go out of flower they should be placed on an airy, sunny bench. See that they are carefully watered as they should be kept growing all summer; don't dry them off until the fall. They can be placed in an open frame when danger of frost is past. Plunge in some light material and give frequent waterings during the hot weather and with slight cleaning now and then they will need no more attention. These bulbs can be increased by offsets and by seed.

HARDY ROSES

It is great advantage for dormant hybrid perpetuals to be planted early in order to allow them to make some new roots before the growth of foliage starts. Trench the ground thoroughly, working in a liberal application of barnyard manure. I think it is wise to give them plenty of room between the rows—say three feet or more and from 15 to 18 inches in the rows. This enables you to work through them during the summer, and gives room for winter protection. Hybrid Perpetuals should be replanted or replaced with young two-year-old stock every eight or ten years. It is better to plant a new bed every five or six years, as hybrids give very poor results the first season after being planted, then you can have the old beds to cut from. On old beds give additional stimulant such as fertilizer, pure bone meal, or liquid manure. This should be applied about the 20th of May. Now is the best time to prune roses. Frequent hoeing among the plants to keep the surface loose is especially beneficial in and during dry spells.

HARDY STOCK FOR LATE SPRING SALES

Florists who carry a line of hardy stock generally have calls late in the season when it is too late to dig the plants because of their being in leaf. Prepare now for this demand by having an assortment of hardy roses, climbers, perennials, shrubs, trees and other nursery stock potted up. Landscape work being done late in the season always calls for these pot plants. There is no better time to sow hardy perennials than now. Seed can be sown in a cold frame or in the open ground on a well prepared and mellow surface. Make rows three or four inches apart and cover the seed about three times their size with soil. The surface should be pressed firmly and kept moderately moist. After they come up thin out to 3 or 4 inches apart. The plants that you thin out can be transplanted into other quarters, and if shaded and watered for a few days will become well established. When large enough for final planting out, plant in rows far enough apart to run a hand cultivator between them, as they should have constant cultivation.

SALVIA

For summer bedding to form the rear rows of borders, for covering the rough foundation of brick or stone, and also as screens for unsightly corners or isolated groups there is nothing better than the old *Salvia splendens*. Seed that were sown early will now be covering the seed pans or flats with nice thrifty plantlets. They should be pricked out as soon as they can be handled. Those that are of good size can be potted up into 2 or 3-inch pots. When yet soft and growing rapidly be careful of any sudden changes in temperature, or cold drafts. It is not too late yet for the striking of another batch of cuttings from last year's plants.

SHADING

We are now coming into the warm and sunny days when certain classes of plants will have to be shaded. We are always tempted to use a too heavy shade at the start, which is often highly injurious. It is better to use just enough shade to break the direct sun's rays. In houses where palms, ferns and other foliage plants are kept, where there is no alternative but to shade with naphtha and white lead or some other mixture, be careful to put it on as thinly as possible and as the season advances it can be given another coat. Give the violets a light shade as it helps to keep the temperature down and the flowers will come with deeper color. Where you have only a bench to shade it is better to use cheesecloth than to darken the whole house up. As Easter comes quite late this year it may become necessary to shade the plants in order to retard part of your Easter stock.

VERBENAS

The early-sown verbenas should be ready to go into 2½ or 3-inch pots. They like a fairly rich loam. To be first-class plants they should have sufficient room for their development with ample moisture at the roots. Grow them in a light, airy house at a temperature of about 50 degrees. After April 20th they can be plunged in a mild hot-bed, on which about four inches of soil has been placed. About once in two weeks turn the pots around so they will not root through. Give ventilation when the weather will permit, and during rainy weather be very careful how you use water. It is not too late yet to sow seed of verbenas. They will come in well for delayed planting or for the tail end of the regular bedding season. Greenfly is sometimes very troublesome, so before removing your stock into frames they should be made perfectly clean by repeated fumigation.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Carnations; Orchids; Cyclamen; Gladiolus; Peonies; Tuberous Rooted Begonias.

GET IN LINE

With your Easter Advertising; one week left yet to tell them what you have to offer. Spring trade, bedding plant trade, nursery stock, hardy perennials and all sorts of seasonable topics can be profitably exploited in next week's issue of HORTICULTURE.

GET IN LINE

NATIONAL FLOWER SHOW

AN UNPARALLELED SUCCESS

List of Exhibits in Competitive and Trade Departments in the Great Show — List of Awards — Meetings of Many Societies — Notes of Entertainments etc.

The "Great National Flower Show" now at its height in Boston has unqualifiedly fulfilled all that has been predicted for it during the many months of preparation. In grandeur and extent it so far excels all records that its most enthusiastic supporters are simply amazed and the visitors from far and near have been privileged to gaze upon one of the most beautiful spectacles ever presented. It is bewildering and, practically impossible, to adequately describe the scene.

Among the features which, in the estimation of every visitor, stand out in especial prominence are the rose garden of Thomas Roland, the group of magnificent acacias, ericas, etc., by the same exhibitor, the trained Rambler roses of M. H. Walsh and the Dutch Garden by R. & J. Farquhar & Co. The illustrations presented herewith convey but feebly any conception of the vastness and elegance of these displays, the gorgeous color effect and the artistic taste displayed in these and other displays, individual or collective. Sensational in the extreme was also the beautiful display of sweet peas staged on Tuesday by Wm. Sim.

The main floor of Mechanics Building has two great divisions, Grand Hall and Mechanics Hall. The great central area of Grand Hall is devoted to plant groupings of mammoth proportions, the Dutch garden occupying the stage and a large section of the contiguous floor space; the immense group of decorative plants from W. A. Manda filling the entire opposite end, the acacia, orchid and erica groups occupying the centre and the whole flanked by extensive massings of flowering and foliage plants, while the space underneath the galleries on either side is given up to the trade plant displays and decorations no less beautiful than the competitive groups.

In Mechanics Hall the scene is a riot of gorgeous color. Here are the rose gardens, the Italian garden and endless massings of spring-flowering bulbs, and Easter blooming plants, forming vistas of unprecedented loveliness. Large sections are given over to the cut flower displays, the roses and violets having had especial prominence on the first three days, the sweet peas and carnations following on Tuesday and Wednesday and the roses coming on for a repetition on the final days of the week. The gal-

leries and the lower floor are given over to the trade display section—the florists' supplies in the former and the mechanical appliances in the latter—in both of which the public have displayed great interest. The famed Philharmonic orchestra on the stage in Grand Hall, a fine ladies' orchestra in Mechanics Hall and a smaller one in the Machinery Hall give concerts day and evening.

THE OPENING EXERCISES

These were simple in character. Paul Revere Hall, which with a number of smaller halls occupies a portion of the upper floor of the vast Mechanics Building was well filled with a brilliant audience when at 8 o'clock on Saturday evening J. K. M. L. Farquhar called the meeting to order and in a brief address, closing with the verses which appear elsewhere in this paper, extended a cordial greeting and told of the work which led to this brilliant outcome. He then introduced F. R. Pierson, chairman of the Flower Show Committee who made a most graceful speech, paying a high compliment to Boston's horticultural preeminence.

Mayor Fitzgerald was the next speaker. Eloquent and pleasing as always he expressed the enthusiastic and hospitable welcome of the city to its visitors. Governor Foss, on behalf of the State of Massachusetts, voiced his appreciation of the elevating influence of horticulture and the splendor of the floral scene in the halls below. Then came Hon. S. W. McCall, who in his address took occasion to pay an appreciative tribute to the character and attainments of Wm. R. Smith, the venerable superintendent of the National Botanic Garden and "Father of the Charter" and was followed by Chas. W. Parker, president of the Massachusetts Horticultural Society who briefly extended the best wishes of that influential body. President George Asmus of the S. A. F. was next introduced and gave a short account of the scope and aim of that organization. Wm. R. Smith was the last speaker and, on being introduced, was accorded an ovation. He took occasion to compliment Boston on its esthetic culture, referred to Prof. C. S. Sargent as a man with no equal on earth in his chosen sphere and did not forget to add a few words regarding his beloved Robert Burns.

EXHIBITION DETAILS

Proceeding down the main aisle of Mechanics Hall the visitor would note the following: The rose exhibits above mentioned, from Thos. Roland and M. H. Walsh. In the latter Mrs. M. H. Walsh, white, and Lucile, soft pink, were sparkling novelties. Extensive orchid exhibit from W. A. Manda with a long line of first prize cards. In Mrs. H. F. Durant's collection, a plant of *Veltheimia vividifolium*, very rarely seen. C. B. Newbold's *Obconica* primroses. E. B. Dane's collection of cypripediums, remarkable for variety and rarity. New "moss fern," *Nephrolepis muscosa*. William Sim, display of violets. Norris F. Comley's and W. C. Ward's pansies, particularly extensive selections of fine varieties. Small-flowered Japan

bloom. Rose Melody, Robert Scott & Son (silver medal). Improved Double White Killarney, S. J. Reuter (silver medal). Pink sport of White Killarney, F. R. Pierson Co. Killarney sport, Robert Scott & Son. Dark Pink Killarney, A. N. Pierson (certificate). There were more American Beauties than we had any reason to expect, considering the scarcity of the market. The enclosure by Thomas F. Galvin, a bower of elegant palms, and the furnishings were very rich. O. Cusumano, dealers in pottery, a very fine exhibit. An enormous specimen of *Azalea Indica alba* from C. B. Newbold, Samuel Batchelor, gardener. Anthuriums and gigantic ferns and other stove plants from Lester Leland estate, E. H. Wetterlow, gardener. Group of *Imantophyllums* backed by

sive collection of bulbs. Display of yellow callas in pots.

Pennock-Meehan Co., ribbon specialties.

Henry F. Michell Co., a big general bulb and supply booth.

H. M. Robinson & Co. had not only supplies, but galax leaves and greens. Booth festooned with Southern smilax.

B. Hammond Tracy, gladiolus bulbs. Mrs. E. M. Gill, collection of plants and flowers.

Climax Mfg. Co., folding boxes.

Schloss Bros., ribbons, chiffons and novelties.

Wertheimer Bros., sprinkleproof ribbons and chiffons in new weaves, and chiffon with gold and silver borders, chiffon with wire edges, spun-glass corsage pins, etc.

J. Jarndahl, birch-bark plant recep-



NATIONAL FLOWER SHOW.

Roland Rose Garden and Walsh Ramblers in Mechanics Hall

azaleas from Prof. Charles Sargent's. Among Leuthy's novelties, *Dracaena Bruante Panache*, *Souvenir de Francois Buysse*, and *Dracaena Prince Albert*. *Cyrtostachis Renda*, var. *Duveviana*, a red-stemmed palm from Julius Roehrs Co. Robert Craig's exhibit of seedling crotons, one of which has been named Governor Foss. General collection of greenhouse plants and ferns, full of perfect specimens. New golden *Pandanus Lindenhurst*, raised by John Dodds, purchased by Robert Craig, and will be disseminated in the fall. *Schizanthus*, by several growers, all splendidly flowered plants. The cyclamens and *obconica* primroses fully up to the high standard of previous Boston exhibits, from many growers. New rose Mrs. Wardell, shown by W. H. Elliott. Raimbault & Bruzeaud, J. W. McIntire, salesman, 45 varieties of lilacs in

a group of ericas 8 to 10 feet high, from Prof. Sargent's estate. All the *nephrolepis* family was represented, among them one that was never shown before, a dwarf form of the Boston type, from Robert Craig Co., as yet unnamed. Closely resembles Scotti, but more perfect in frond. *Chorizemas ilicifolium*. Group of magnificent specimen plants, with their brilliant orange crimson flowers. Carbone's Italian garden, fitted up with pergola and a tasteful arrangement of palms and flowering plants and cut blooms in art vases. Bobbink & Atkins, display of confers; also extensive display of clipped box trees, formal yews and other garden specialties.

Gallery Trade Exhibits.

Welch Bros., magnificent display of florists' supplies.

John Lewis Childs, very comprehen-

sive collection of bulbs. Display of yellow callas in pots.

Boas & Co., flower boxes.

Fottler, Fiske, Rawson Co., forced bulb flowers and seedsmen's sundries.

Gt. Van Waveren & Kruijff, French and Dutch bulbs.

Jos. G. Neidinger, chiffons and artificial flowers and florists' supplies.

Grand Hall Trade Exhibits.

C. Keur & Sons, display of bulbs.

Henry A. Dreer Co., cocos, variegated pineapple and several other novelties.

Penn, the Florist, models of bridal party.

Hoffman, Florist, formal garden retreat, evergreens, flowering shrubs, stone seats.

F. R. Pierson Co., very complete collection of all the forms of *Nephrolepis*.

New England Nurseries, group of conifers and box trees.

Julius Roehrs Co., collection of novelties and standard greenhouse decorative plants.

Kessler Bros., new *Nephrolepis Dreyeri*.

Mt. Desert Nurseries, *Nephrolepis Milleri*.

R. & J. Farquhar Co., new shrubs and vines from northern China introduced by the Arnold Arboretum.

E. MacMulkin, display group of palms, flowering and foliage plants, flanking Thomas Roland's sensational group.

Farquhar's cyclamens, fringing the front of the Dutch garden.

Mrs. Frederick Ayer, exhibit of acacias, heaths, crotons, etc., flanking Thomas Roland's exhibit on the south side.

Julius Roehrs Co., immense circular stand of orchids, including very many new and rare plants.

W. A. Manda, orchids and choice stove plants.

A. Leuthy & Co., decorative and foliage plants.

Paul De Nave, choice orchids in flower.

Crowl Fern Co., florists' decorative greens.

Ellwanger & Barry, collection of conifers.

A. N. Pierson, extensive collection of Easter flowering plants and young stock of roses, chrysanthemums, geranias, etc. Also fine specimens of his new roses, Dark Pink Killarney and Prince de Bulgarie.

Yokohama Nursery Co., interesting display of dwarf Japanese trees and shrubs.

Knight & Struck, stove and greenhouse plants.

Lager & Hurrell, a nice display of orchids.

Eastern Nurseries, comprehensive collection of medium-sized conifers, including a very wide variety of the



NATIONAL FLOWER SHOW.

A corner of the Walsh rose exhibit.

choicest things in this line, arranged with much skill.

W. W. Edgar Co., Easter plants, palms and bay trees. Large and brilliant display.

R. C. Bridgham, Newton Rose Conservatories, display of bedding plants, etc.

Trade Displays in Lower Hall.

Boston Belting Co., rubber hose.
American Agricultural Chemical Co., fertilizers.

King Construction Co., model iron frame greenhouse.

Wilson Plant Oil & Fertilizer Co., horticultural sundries.

Patrick Grace, artstone lawn vases.

Archibald Mfg. Co., model greenhouse ventilating system.

E. A. Ormsby, ventilating apparatus.

Weathered Company, section of greenhouse.

Waits Interlocking Steel Co., greenhouse benches.

American Auxiliary Heating Co., Castle Automatic Circulator, busily working.

N. E. Mineral Fertilizer & Chemical Co., plant food.

Pierson-U-Bar Co., section of U-Bar greenhouse in a garden with a railing and floral adornment.

Lunt Moss Co., water supply machinery, spraying machines, etc.

International Harvester Co., automobiles and engines.

Daniel Iliffe, boiler and greenhouse section. The new Iliffe patent sash-lifter.

C. W. Brownell Co., orchid potting material, peat, etc.

Advance Company, ventilating apparatus and greenhouse fittings.

Means & Thacher, greenhouse paint.

A. H. Hews & Co., flower pots, and garden vases.

Joseph Traudt, variegated dwarf sweet alyssum.

Lord & Burnham Co., Burnham greenhouse boilers and section of greenhouse; greenhouse benches and fittings.

Kroeschell Co., mammoth Kroeschell boiler, the largest ever exhibited at any florists' convention. Messrs. Kroeschell provided a cozy corner, in which to sit and rest.

Hammond's Paint & Slug Shot Works, very complete display of the



NATIONAL FLOWER SHOW.

Italian Garden by Carbone

many specialties of this well-known company, including paint, putty, in secticides, etc.

Hitchings & Co., Hitchings' sectional boiler, section of greenhouse, hot-bed sashes, ventilation, angle-eave construction, etc.

Thomas J. Grey Co., seeds, bulbs, tools, etc. Display of Easter flowering plants. An interesting feature of this exhibit was an old-fashioned plow said to be 150 years old, alongside the latest improved model Syracuse plow, gold plated.

Bowker Fertilizer Co., fertilizers, lawn dressings, etc.

Electrical Hose & Rubber Co., rubber hose.

American Blower Co., Detroit return trap.

William Moll, ideal steam specialties.

Cleveland Cut Flower Co., Bate evaporator.

S. B. Church, high pressure spraying machines, water systems, etc.

Johnston Heating Co., greenhouse boilers.

Boston Plate & Window Glass Co., greenhouse glass, mirrors, etc.

Revere Rubber Co., Revere hose.

A. T. Stearns Lumber Co., sash bars and greenhouse lumber, etc.

W. A. Bruce, greenhouse glazing, paint, etc.

J. G. Harrison & Sons, box trees and nursery roses.

U. S. Radiator Corporation, Furman steam and hot water boilers.

North Shore Ferneries Co., rustic garden and lawn furniture, formal arbors, etc.

THE AWARDS

PLANT SECTION.

Flowering Plants.—Miscellaneous.

Aecias, 18 plants, not less than 4 vars., Thos. Roland, Nahant, Mass., 1st.; Mrs. Frederick Ayer, 2nd.
Aecias, 6 plants, not less than 3 vars., Thos. Roland, 1st.; Mrs. F. Ayer, 2nd.
Aecias, 3 plants, one or more vars., Thos. Roland, 1st.; Mrs. F. Ayer, 2nd.
Acacia pubescens, specimen plants, Thos. Roland, 1st.
Acacia paradoxa, specimen plants, Thos. Roland, 1st.; W. A. Manda, 2nd.
Acacia, any other species or var., specimen, T. Roland, 1st.; T. Roland, 2nd.
Amaryllis, 36 plants, not less than 18 vars., T. Roland, 1st.
Amaryllis, 12 plants, not less than 9 vars., T. Roland, 1st.
Anthurium, 6 plants, not less than 3 vars., one first; W. A. Manda, 2nd.
Anthurium, specimen plant, Lester Leland, 1st.; W. A. Manda, 2nd.
Azalea indica, 24 plants, not less than 6 vars., Julius Roehrs Co., Rutherford, N. J., 1st.
Azalea indica, 12 plants, not less than 6 vars., Peirce Bros., 1st.; W. W. Edgar Co., 2nd.
Azalea indica, 6 plants, not less than 3 vars., A. M. Davenport, Watertown, Mass., 1st.
Azalea indica, specimen plant, pink or rose, Peirce Bros., 1st.
Azalea indica, specimen plant, white, C. B. Newbold, 1st.
Azalea indica, specimen plant, any other color, Peirce Bros., 1st.
Azalea mollis, 12 plants, not less than 4 colors, Sidney Hoffman, 1st.
Begonia Gloire de Lorraine, 6 plants, A. M. Davenport, 1st.; A. M. Davenport, 2nd.
Boronia, 6 plants, not less than 2 vars., T. Roland, 1st.
Bougainvillea, 6 plants, T. Roland, 1st.
Calceolaria hybrida, 6 plants, T. Roland, 1st.; T. Roland, 2nd.
Camellias, specimen plant, W. A. Manda, 1st.
Cineraria hybrida, 6 plants, Mrs. John L. Gardner, Brookline, 1st.
Cineraria stellata, 6 plants, Mrs. John L. Gardner, 1st.
Cyclamens, 36 plants, R. & J. Farquhar & Co., 1st.
Cyclamens, 12 plants, W. C. Rust, 1st.; Robt. Craig Co., Phila., 2nd.
Chorizema, 4 plants, Mrs. John L. Gardner, 1st.
Chorizema, specimen plant, Mrs. John L. Gardner, 1st.
Ericas, 24 plants, not less than 6 vars., T. Roland, 1st.
Ericas, 6 plants, not less than 3 vars., T. Roland, 1st.; Mrs. F. Ayer, 2nd.
Erica melanthera, 6 plants, Thos. Roland, 1st.; Mrs. F. Ayer, 2nd.
Ericas, any species, specimen plant, Mrs. F. Ayer, 1st.; T. Roland, 2nd.
 Flowering shrubs, 12 plants, standard or tree form, not less than 6 vars., W. A. Manda, 1st.; Peirce Bros., 2nd.
 (Prize No. 45 offered by the Massachusetts State Board of Agriculture.)
Gardenias, 6 plants, John McFarland, 1st.
Gardenias, specimen plant, (No first); John McFarland, 2nd.
Genistas, 12 plants, T. Roland, 1st.
Genistas, specimen plant, (No first); Mrs. E. M. Gill, Medford, Mass., 2nd.
 Flowering Plants, group arranged for effect, with palms and other foliage plants, to cover not less than 200 square feet, Edward MacMulin, Boston, 1st.
 Forced Shrubs, group forced shrubs and herbaceous plants (hardy trees and vines admissible), arranged for effect, to cover not less than 200 square feet, Peirce Bros., 1st.
Hydrangeas, 12 plants, not less than 3 vars., Thos. Roland, 1st.; T. Roland, 2nd.
Hydrangeas, 6 plants, not less than 2 vars., T. Roland, 1st.
Hydrangeas, specimen plant, (No first), J. W. Dudley & Sons, Parkersburg, W. Va., 2nd.
Lilacs, 12 plants, not less than 3 vars., Julius Roehrs, 1st.; Peirce Bros., 2nd.
Lilacs, 3 plants, one or more vars., (No first); Peirce Bros., 2nd.
Marguerites, 3 plants, James Marlborough, 1st.
Marguerites, specimen plant, James Marlborough, 1st.
Rhododendrons, 24 plants, not less than 6 vars., Julius Roehrs, 1st.
Rhododendrons, 12 plants, not less than 3 vars., W. A. Manda, 1st.
Rhododendrons, specimen plant, pink or lavender, (no first); W. A. Manda, 2nd.
Rhododendrons, plant, white or nearly white, (no first); (no second); W. A. Manda, 3rd.
Spiraea, or *Astilbe*, 12 plants, not less than 3 vars., (no first); Peirce Bros., 2nd.
Wistaria, specimen plant, Peirce Bros., 1st.
Geraniums, 12 plants, not less than 12 vars., Winthrop Ames, 1st.
Primula obconica, 12 plants, W. C. Rust, 1st.
Schizanthus, 6 plants, Mrs. E. S. Grew, Manchester, Mass., 1st.; John L. Smith, 2nd.

One Specimen Flowering Plant, other than above, W. A. Manda, 1st.

Flowering Plants.—Bulbs.

Hyacinths, 8 10-inch pans, distinct vars., John L. Smith, Swampscott, Mass., 1st.; Geo. Barker, Swampscott, 2nd.; Wm. Patterson, Wollaston, Mass., 3rd.
Hyacinths, 3 10-inch pans, white, Wm. C. Rust, Brookline, 1st.; Wm. Patterson, 2nd.
Hyacinths, 3 10-inch pans, pink or red, W. C. Rust, 1st.; Wm. Patterson, 2nd.
Hyacinths, 3 10-inch pans, light blue, W. C. Rust, 1st.; Wm. Patterson, 2nd.
Hyacinths, 3 10-inch pans, dark blue, W. C. Rust, 1st.; Wm. Patterson, 2nd.
Hyacinths, 50 single pots, not less than 12 vars., John L. Smith, 1st.; Wm. Patterson, 2nd.
 Lilies, display to cover not less than 100 square feet. Foliage plants may be used for effective arrangement, John McFarland, North Easton, Mass., 1st.; Peirce Bros., Waltham, 2nd.
Narcissus, Large Trumpet, 12 10-in. pans in 12 vars., John L. Smith, 1st.; Wm. Patterson, 2nd.
Narcissus, Short or Medium Trumpet, 12 10-in. pans, 12 vars., John L. Smith, 1st.; Wm. Patterson, 2nd.
Narcissus, 3 10-inch pans, Glory of Leiden, Wm. Patterson, 1st.
Narcissus, 3 10-inch pans, Bicolor or Victoria, Wm. Patterson, 1st.
Narcissus, 3 10-inch pans, Empress, Wm. Patterson, 1st.
Narcissus, 3 10-inch pans, Emperor, Wm. Patterson, 1st.
Narcissus, 3 10-inch pans, Golden Spur, Wm. Patterson, 1st.
Narcissus, 3 10-inch pans, double Von Slon, John L. Smith, 1st.; Wm. Patterson, 2nd.
Narcissus, 3 10-inch pans, any other double, Wm. Patterson, 1st.
Tulips, Early Single, 15 10-inch pans, distinct vars., John L. Smith, 1st.; Wm. Patterson, 2nd.
Tulips, Early Single, 8 10-inch pans, distinct vars., John L. Smith, 1st.; Wm. Patterson, 2nd.
Tulips, Early Single, 3 10-inch pans, white, Wm. Patterson, 1st.
Tulips, Early Single, 3 10-inch pans, pink, Wm. Patterson, 1st.
Tulips, Early Single, 3 10-inch pans, scarlet or crimson, John L. Smith, 1st.
Tulips, Early Single, 3 10-inch pans, yellow, Wm. Patterson, 1st.
Tulips, Early Double, 6 10-inch pans, not less than 3 vars., Wm. Patterson, 2nd.
 Miscellaneous Bulbs, collection, arranged for effect, other foliage plants admissible, to cover not less than 150 square feet, R. & J. Farquhar & Co., 1st.; Sidney Hoffman, 2nd.
 The judges were so deeply impressed with the beauty and artistic arrangement of the first prize exhibit that they earnestly recommended the additional award of a gold medal.
 One specimen Bulbous Plant in flower other than above, T. T. Watt, 1st.
 The judges were specially attracted by the entry in this class of *Narcissus* King Alfred and would recommend a reward of a certificate of merit.

Flowering Plants.—Orchids.

Orchids, collection, arranged with foliage plants for effect, to cover not less than 100 square feet. For commercial growers only, Julius Roehrs, Rutherford, N. J., 1st.
 Orchids, collection, 12 plants, 12 distinct vars., E. B. Dane, Chestnut Hill, Brookline, Mass., 1st.; W. A. Manda, South Orange, N. J., 2nd.
Cattleya Trianae, specimen plant, J. T. Butterworth, South Framingham, Mass., 1st.; W. A. Manda, 2nd.
Cattleya Schroederiae, specimen plant, W. A. Manda, 1st.
Cattleya, any other variety, specimen plant, J. T. Butterworth, 1st.; W. A. Manda, 2nd.; W. A. Manda, 3rd.
Cypripedium, collection, not less than 25 vars., E. B. Dane, 1st.; W. A. Manda, 2nd.
Cypripedium, 6 plants, 6 vars., E. B. Dane, 1st.; W. A. Manda, 2nd.
Cypripedium, specimen, any var., W. A. Manda, 1st.; J. T. Butterworth, 2nd.
Coeloglyne, specimen plant, E. J. Mitton, Brookline, Mass., 1st.
Dendrobium, 12 plants, 12 vars., W. A. Manda, 1st.
Dendrobium nobile, specimen plant, Henry Stewart, Waltham, Mass., 1st.; W. A. Manda, 2nd.
Dendrobium Wardianum, best specimen plant, W. A. Manda, 1st.; J. T. Butterworth, 2nd.
Dendrobium, specimen plant, any other var., W. A. Manda, 1st.
Laelia anceps, specimen plant, T. T. Watt, Wellesley Mass., 1st.; T. T. Watt, 2nd.
Odontoglossum, specimen plant, any var., W. A. Manda, 1st.
Oncidium, specimen plant, any var., W. A. Manda, 1st.
Phalaenopsis, specimen plant, any var., W. A. Manda, 1st.; J. T. Butterworth, 2nd.
Vanda, specimen plant, any var., Lager & Hurrell, Summit, N. J., 1st.
 One Specimen Orchid in flower other than above, W. A. Manda, 1st.

Flowering Plants.—Roses.

Division A.—American Rose Society Prizes.

Display in pots or tubs, any or all classes, to occupy not less than 300 square feet, arranged for effect, Thos. Roland, 1st.; M. H. Walsh, Woods Hole, Mass., 2nd.

12 Climbing or rambling, 6 or more vars., M. H. Walsh, 1st.

Lady Gay, specimen plant, M. H. Walsh, 1st.

Hawatha, specimen plant, M. H. Walsh, 1st.

Climbing, any other var., specimen, M. H. Walsh, 1st.

Baby Rambler, crimson, 6 plants, Thos. Roland, 1st.

Baby Rambler, pink, 6 plants, T. Roland, 1st.

Baby Rambler, white, 6 plants, T. Roland, 1st.

Collection of standard or tree roses, 12 or more plants, 6 or more vars., T. Roland, 1st.

Ferns.

Adiantum Farleyense, specimen, James Marlborough, 1st.; W. A. Manda, 2nd.; James Marlborough, Topsfield, Mass., 3rd.

Adiantum cuneatum or its var., specimen, E. B. Dane, 1st.; Geo. Barker, 2nd.

Aspidium, specimen, W. A. Manda, 1st.

Cibotium Schiedel, specimen, C. B. Newbold, 1st.; Mrs. Frederick Ayer, 2nd.; W. A. Manda, 3rd.

Davallia, specimen, any var., W. A. Manda, 1st.; Wm. Thatcher, Brookline, Mass., 2nd.

Nephrolepis exaltata and its vars., display, one of each, pots not to exceed 8 inches in diam., F. R. Pierson Co., Tarrytown, N. Y., 1st.; W. A. Manda, 2nd.

Nephrolepis Bostoniensis, specimen, F. R. Pierson Co., 1st.

Nephrolepis Scottii, specimen, (no first); F. R. Pierson Co., 2nd.

Nephrolepis Piersoni, specimen, F. R. Pierson Co., 1st.

Nephrolepis Piersoni elegantissima, specimen, F. R. Pierson Co., 1st.

Nephrolepis Whitmani, specimen, F. R. Pierson Co., 1st.

Nephrolepis, specimen any other var., F. R. Pierson Co., 1st.; F. R. Pierson Co., 2nd.; Kessler Bros., New York, 3rd.

Polypodium, or Goniophlebium, specimen, W. A. Manda, 1st.; W. Edgar Co., 2nd.

Stag Horn Fern, 6 plants, in var., W. A. Manda, 1st.

Stag Horn Fern, specimen, any var., W. A. Manda, 1st.; Mrs. Frederick Ayer, 2nd.

Tree Fern, specimen, W. A. Manda, 1st.

Fern, specimen, any other var., W. A. Manda, 1st.

Fern, specimen, new var., not in commerce, Silver and Bronze medals, W. A. Manda, 1st.; F. R. Pierson Co., 2nd.

Palms and Foliage Plants.

Arecas, pair, Geo. Barker, Swampscott, Mass., 1st.; W. A. Manda, So. Orange, N. J., 2nd.

Arecas, specimen, W. A. Manda, 1st.

Cocos Australis or its vars., specimen, W. A. Manda, 1st.

Cocos plumosus, specimen, W. A. Manda, 1st.

Kentia Belmoreana, pair, W. A. Manda, 1st.; E. MacMulkin, Boston, 2nd.

Kentia Belmoreana, specimen, W. A. Manda, 1st.

Kentia Forsteriana, pair, W. A. Manda, 1st.

Kentia Forsteriana, specimen, W. A. Manda, 1st.

Phoenix Roebelenii, pair, Bobbink & Atkins, Rutherford, N. J., 1st.; A. Bieschke, Norton, Conn., 2nd.; James MacKan, Tuxedo Park, N. Y., 3rd.

Phoenix rupicola, specimen, W. A. Manda, 1st.

Palms, other than above, 12 plants, 12 vars., W. A. Manda, 1st.

One specimen Palm, any other than above, W. A. Manda, 1st.

Bay Trees, display, Bobbink & Atkins, 1st.; R. & J. Farquhar, 2nd.

Bay Trees, pair, pyramidal, Geo. Barker, 1st.; S. Hoffman, 2nd.

Bay Trees, pair, standard, Geo. Barker, 1st.; S. Hoffman, 2nd.

Box Trees, display, W. A. Manda, 1st.; Bobbink & Atkins, 2nd.

Box Trees, pair, pyramidal, W. A. Manda, 1st.; S. Hoffman, 2nd.

Box Trees, pair, standard, W. A. Manda, 1st.; S. Hoffman, 2nd.

Box Trees, pair, bush, W. A. Manda, 1st.; W. A. Manda, 2nd.

Araucarias, 6 plants, 3 or more vars., W. A. Manda, 1st.

Crotons, display, Robt. Craig Co., Phila., Pa., 1st.

Crotons, 25 plants, 25 vars., in not over 6-inch pot, Robt. Craig Co., 1st.

Crotons, 6 plants, 6 vars., Mrs. Frederick Ayer, Newton Centre, Mass., 1st.; Robt. Craig Co., 2nd.

Cycad, specimen, any variety, W. A. Manda, 1st.; W. A. Manda, 2nd.

Dracaenas, 12 plants, 6 or more vars., W. A. Manda, 1st.; Thos. Roland, Nahant, Mass., 2nd.

Dracaenas, specimen, green, W. A. Manda, 1st.; E. MacMulkin, 2nd.; W. A. Manda, 3rd.

Dracaenas, specimen, red, Robt. Craig Co., 1st.; W. A. Manda, 2nd.

Dracaenas, specimen, any other color, E. B. Dane, Brookline, Mass., 1st.; Robt. Craig, 2nd.; W. A. Manda, 3rd.

Ficus elastica or elastica variegata, specimen, W. A. Manda, 1st.

Ficus pandurata, specimen, W. A. Manda, 1st.; Robt. Craig, 2nd.

Pandanus Veitchii, specimen, W. A. Manda, 1st.

Pandanus, specimen, any other var., J. Dodds, Phila., Pa., 1st.; W. Thatcher, Brookline, Mass., 2nd.; W. A. Manda, 3rd.

One specimen greenhouse or stove foliage plant, other than above, W. Thatcher, 1st.

Greenhouse or Stove Foliage Plants, 6 plants, 6 var., W. A. Manda, 1st.

Cacti and other Succulent Plants, collection, not less than 50 vars., W. A. Manda, 1st.

One Specimen Succulent Plant, W. A. Manda, 1st.

Banana Tree, specimen in fruit, James Marlborough, Topsfield, Mass., 1st.

Conifers, collection in pots or tubs, not less than 25 vars., W. A. Manda, 1st.; R. & J. Farquhar, 2nd.; Bobbink & Atkins, 3rd.

Conifers, 6 specimens, W. A. Manda, 1st.; W. A. Manda, 2nd.

Conifers, 3 specimens, W. A. Manda, 1st.; W. A. Manda, 2nd.

Conifers, 2 specimens, W. A. Manda, 1st.; W. A. Manda, 2nd.

Conifers, single specimen, W. A. Manda, 1st.; W. A. Manda, 2nd.

CUT FLOWER SECTION.

Roses.

DIVISION D.

American Beauty, Myers & Samtman, 1st.; Bassett & Washburn, 2nd.

Killarney, A. Farenwald, 1st.; Waban Rose Conservatories, 2nd.

White Killarney, Waban Rose Cons., 1st.; Poehlmann Bros. Co., 2nd.

Richmond, Edward Towill, 1st.; A. Farenwald, 2nd.

My Maryland, A. N. Pierson, 1st.; Myers & Samtman, 2nd.

Mrs. Jardine, Robt. Scott & Son, 1st.; John Stevenson & Son, 2nd.

Kaiserin Augusta Victoria, (no first); Robt. Scott & Son, 2nd.

Mrs. Aaron Ward, Waban Rose Cons., 1st.; W. H. Elliott, 2nd.

Cardinal or Rhea Reid, W. H. Elliott, 1st.; Bassett & Washburn, 2nd.

Any other disseminated variety, A. N. Pierson, 1st.; A. N. Pierson, 2nd.

DIVISION E.

American Beauty, L. A. Noe, 1st.; Myers & Samtman, 2nd.

Killarney, John R. Andre, 1st.; A. Farenwald, 2nd.

White Killarney, John Andre, 1st.; Poehlmann Bros. Co., 2nd.

Richmond, Edward Towill, 1st.; John Welsh Young, 2nd.

My Maryland, John Welsh Young, 1st.; Wm. Geiger, 2nd.

Bride, L. A. Noe, 1st.; Pittsburg Cut Flower Co., 2nd.

Bridesmaid, Waban Rose Cons., 1st.; L. A. Noe, 2nd.

Golden Gate or Uncle John, (no first); Gude Bros. Co., 2nd.

Bon Silene, W. H. Elliott, 1st.

Any other disseminated variety, Wm. Geiger, 1st.; Exeter Rose Conservatories, 2nd.

Special Report on Roses: The judges wish to call attention to the special excellence of the total exhibits. The competition was so keen that there was little difference in quality and size between the first and second prize winners, and the exhibits of the roses at large were of a quality exceedingly even and close seconds to the best.

DIVISION H.

Special Prizes.—American Rose Society's Medals and Certificates for Novelties.

Gold Medal for the best new Rose not yet disseminated, whether of domestic or foreign origin. Exhibits to be judged by the official scale of the American Rose Society, and no gold medal to be awarded to any Rose scoring less than 95 points.

Silver Medal is offered at the same time and under the same conditions for a novelty scoring not less than 85 points.

A Certificate of Merit is awarded to all Novelties scoring 80 points, but neither Medal nor Certificate will be issued until the variety is named and 12 blooms shown.

F. R. Pierson Co., certificate on Killarney Sport, 84 points.

S. J. Reuter & Son, silver medal on Killarney Sport, 86 points.

A. N. Pierson Co., certificate on Lady Cromwell, 82 points.

Robert Scott & Son, silver medal on Melody, 85 points.

A. N. Pierson, certificate on Red Killarney, 81 points.

Robert Scott & Son, certificate on Double Pink Killarney, 84 points.

A. N. Pierson, certificate on Dark Pink Killarney, 83 points.

"Growers' " prizes, Waban Rose Conservatories 1st.; Edw. Towill, 2nd.; A. Farenwald, 3rd.

S. A. F. medals were awarded to M. H. Walsh for seedling Rambler roses and Rambler rose Lucile (Silver) and Lady Gay (Bronze). A certificate of merit was given to Myers & Samtman for new rose Hilda (81 points).

CARNATIONS.

SECTION A.

Open to all varieties.

Vase 100 blooms, white, Cottage Gardens Co., Queens, N. Y., 1st.; Patten & Co., Tewksbury, Mass., (with Shasta), 2nd.; Littlefield & Wyman North Hinton, Mass., (with Perfection), 3rd.

Vase 100 blooms, flesh pink, etc., John Barr, Natick, Mass., 1st.; Peter Fisher, Ellis, Mass., (with May Day), 2nd.; S. J. Goddard Framingham, Mass., (with Pink Delight), 3rd.

Vase 100 blooms, light pink, etc., John Barr, 1st.; Joseph Heacock Co., Wyncote, Pa., 2nd.; Peter Fisher, 3rd.

Vase 100 blooms, dark pink, etc., Cottage Gardens Co., 1st.; Chas. Webber, Lynbrook, N. Y., 2nd.

Vase 100 blooms, red or scarlet, etc., Patten & Co., (with Beacon), 1st.; S. J. Goddard, 2nd.; Peter Fisher, 3rd.

Vase 100 blooms, crimson, etc., W. D. Howard, Milford, Mass., (with Fenn), 1st.; Wanoka Greenhouses, Barnveld, N. Y., 2nd.; James Wheeler, Natick, Mass., 3rd.

Vase 100 blooms, yellow or yellow variegated, Patten & Co., (with Hattie Starret), 1st.

Vase 100 blooms, white, variegated, Patten & Co., (with Mrs. C. W. Barrow), 1st.; Wanoka Greenhouses, 2nd.; John Barr, 3rd.

See Section H. Class 343, for Sweepstakes prize in Section A.

SECTION B.

Open to all varieties disseminated prior to July, 1910. 50 blooms to each vase.

White Perfection, S. J. Goddard, 1st.; Peter Fisher, 2nd.

White Enchantress, Peter Fisher, 1st.; Pierce Bros., 2nd.

Any other white, Patten & Co., 1st.

Enchantress, Peter Fisher, 1st.; Wm. Nicholson, Framingham, Mass., 2nd.

Pink Delight, Patten & Co., 1st.; Peter Fisher, 2nd.

Any other flesh pink, Peter Fisher, 1st.; Chas. S. Strout, Biddeford, Maine, 2nd.

Rose pink Enchantress, (no first); Pierce Bros., 2nd.

Winsor, A. A. Pembroke, Beverly, Mass., 1st.; Patten & Co., 2nd.

Winona, Patten & Co., 1st.; Pierce Bros., 2nd.

Any other light pink, (no first); N. F. Comley, Lexington, Mass., 2nd.

Afterglow, William Nicholson, 1st.

Any other dark pink, S. J. Goddard, 1st.

Victory, F. R. Pierson Co., 1st.; C. S. Strout, 2nd.

Beacon, John Barr, 1st.; S. J. Goddard, 2nd.

Any other scarlet, L. E. Small, 1st.

Harry Fenn, W. D. Howard, 1st.

Any other crimson, Littlefield & Waymon, 1st.; M. A. Patten, 2nd.

Mrs. M. A. Patten, Wm. Nicholson, 1st.

Any yellow, variegated, M. A. Patten, 1st.; H. Schrade, 2nd.

Any other color, M. A. Patten, 1st.

SECTION C.

For Seedlings and Sports not disseminated prior to July, 1910. 25 blooms to each vase.

Sweepstake prizes for Classes 328 to 333 inclusive. 1st, \$25.00 and S. A. F. Silver Medal; 2nd, \$15.00 and S. A. F. Bronze

Medal; 3rd, \$10.00, M. A. Patten, 1st.; M. A. Patten, 2nd.; E. G. Hill Co., Richmond, Ind., 3rd.
 White, M. A. Patten, 1st.; Robt. Main, 2nd.
 Pink, Cottage Gardens Co., 1st.; Henry Eicholz, Waynesboro, Penna., 2nd.; W. D. Howard, 3rd.
 Red or Scarlet, E. G. Hill Co., 1st.; Wm. Kleinheinz, Ogontz, Pa., 2nd.
 Crimson or Maroon, Samuel Kinder, Bristol, R. I., 1st.
 Any other color, M. A. Patten, 1st.

SECTION E.

American Carnation Society Certificate of Merit. To be identical with our regular certificate class, Scott Bros., Elmsford, N. Y., 1st.

SECTION F.

Preliminary Certificate. To be identical with our regular certificate class, Wm. Kleinheinz, 1st. (Preliminary certificate, 85 points.)

SECTION H.

Special Premiums.

Silver Cup, valued at \$30.00, is offered by Hitchings & Co. as a sweepstake prize in Section A, Cottage Gardens Co., 1st.
 \$25.00 in gold is offered by F. Dorner & Sons Co. for the best vase of 100 blooms Pink Delight, S. J. Goddard, 1st.
 A Gold Medal, or \$25.00 in gold is offered by Kroeschell Bros. for the largest 12 blooms of Carnations, one or more varieties. Each bloom must measure not less than 5 inches, C. S. Strout, 1st.
 A \$25.00 silver cup, or \$25.00 in gold, is offered by Jos. Heacock Co. for the best vase of 100 blooms Dorothy Gordon, S. J. Goddard, 1st.

SECTION I.

For varieties disseminated season 1909-1910. 50 blooms to each vase.

Conquest, N. F. Comley, 2nd.
 Shasta, (no first); M. A. Patten 2nd.
 Scarlet Glow, L. E. Small, 1st.
 D. Gordon, (no first); W. Nicholson, 2nd.
 Bon Ami, M. A. Patten, 1st.

SWEET PEAS.

White, 100 Blooms, William Sim, Cliftondale, Mass., 1st.; Wm. Sim, 2nd.
 Pink, 100 Blooms, Wm. Sim, 1st.; Halifax Gardens Co., Halifax, Mass., 2nd.
 Pink and White, 100 Blooms, Wm. Sim, 1st.; Halifax Gardens Co., 2nd.
 Light Pink or Salmon, 100 Blooms, Wm. Sim, 1st.; Halifax Gardens Co., 2nd.
 Lavender, 100 Blooms, Wm. Sim, 1st.; Wm. Sim, 2nd.
 Red or Crimson, 100 Blooms, Wm. Sim, 1st.
 Waved or Variegated, 100 Blooms, Wm. Sim, 1st.; Wm. Sim, 2nd.
 Any other color, 100 Blooms, Wm. Sim, 1st.; Wm. Sim, 2nd.
 White, 50 Blooms, Wm. Sim, 1st.; Wm. Sim, 2nd.
 Pink, 50 Blooms, Wm. Sim, 1st.
 Pink and White, 50 Blooms, Wm. Sim, 1st.
 Light Pink or Salmon, 50 Blooms, Wm. Sim, 1st.; Anton C. Zvolanek, Bound Brook, N. J., 2nd.
 Lavender, 50 Blooms, Wm. Sim, 1st.; Wm. Sim, 2nd.
 Red or Crimson, 50 Blooms, Wm. Sim, 1st.
 Any waved variety, 50 Blooms, Wm. Sim, 1st.; Wm. Sim, 2nd.
 Variegated, 50 Blooms, Wm. Sim, 1st.
 Yellow or Primrose, 50 Blooms, Wm. Sim, 1st.
 Blue or Purple, 50 Blooms, Anton C. Zvolanek, 1st.; Wm. Sim, 2nd.
 Any other color, 50 Blooms, Wm. Sim, 1st.
 New Variety, 50 Blooms, Anton C. Zvolanek, 1st.
 New Variety, 25 Blooms, Anton C. Zvolanek, 1st.

Retailer's Section.

Table Decoration, Penn the Florist, Boston, Mass., 1st.; Edward MacMulklin, Boston, Mass., 2nd.
 Basket, Hoffman the Florist, Boston, Mass., 1st.; Boston Cut Flower Co., Bromfield St., Boston, Mass., 2nd.
 Bride's Bouquet, Boston Cut Flower Co., 1st.; Penn the Florist, 2nd.

Zvolanek Prize.

Eight or more distinct varieties, 100 in each vase, Wm. Sim, 1st.; Halifax Gardens Co., 2nd.

Zvolanek Prize.

Ten or more distinct varieties, 25 in each vase, Wm. Sim, 1st.; Halifax Gardens Co., 2nd. These varieties must be named; renamed varieties excluded.

Arthur T. Boddington Prize.

Display of not less than ten varieties, 50 in each vase, Wm. Sim, 1st.; Halifax Gardens Co., 2nd.

Lord & Burnham Prize.

Display of not less than 1000 Blooms, Gold Medal, Wm. Sim, 1st.

R. & J. Farquhar & Co. Prize.

Bouquet of Sweet Peas with any green foliage—private gardeners or amateurs only, Wm. Sim, 1st.; Halifax Gardens Co., 2nd.
 Certificates of Merit will be awarded to Exhibits of Sweet Peas, apart from the above classes, also for novelties, superior to existing varieties, Wm. Sim, 1st.

ORCHIDS.

Best display and collection of Cut Orchids, each species or variety filling one vase, arranged for effect. Cut greens of any variety admissible in arranging of same, John T. Butterworth, 1st.

Flowering stem of Cattleya, any species, W. A. Manda, 1st.; W. A. Manda, 2nd.
 Flowering stem of Laelia, any species, W. A. Manda, 1st.
 Flowering stem of Laelio-Cattleya or Hybrid Cattleya, W. C. Rust, 1st.
 Flower Cypripedium, any variety, W. A. Manda, 1st.; J. T. Butterworth, 2nd.
 Flowering stem Dendrobium, W. C. Rust, 1st.; W. A. Manda, 2nd.
 Flowering spray Odontoglossum, any variety, John T. Butterworth, 1st.
 Flowering spray Oncidium, any variety, (no first); W. A. Manda, 2nd.
 Flowering spray Phalaenopsis, any variety, W. A. Manda, 1st.; J. T. Butterworth, 2nd.
 Flowering spray Vanda, any variety, (no first); W. A. Manda, 2nd.
 Flowering spray of any Orchid other than above, W. H. Manda, 1st.

OTHER CUT FLOWERS.

Antirrhinum, 12 White Spikes, T. E. Proctor, gardener for James Marlborough, Topsfield, Mass., 1st.; N. F. Comley, Lexington, Mass., 2nd.
 Antirrhinum, 12 Yellow Spikes, Thos. Proctor 1st.; N. F. Comley, 2nd.
 Antirrhinum, 12 Red Spikes, T. E. Proctor, 1st.; N. F. Comley, 2nd.
 Antirrhinum, 12 Pink Spikes, W. T. Walke, Salem, Mass., 1st.; S. J. Goddard, Framingham, Mass., 2nd.
 Antirrhinum, largest display, N. F. Comley, 1st.; W. T. Walke, 2nd.
 Display of Pansies, N. F. Comley, 1st.; W. C. Ward, East Milton, Mass., 2nd.
 Pansies, 100, W. E. Turner, Woburn, Mass., 1st.; W. C. Ward, 2nd.
 Violets, bunch (100 double), P. S. Smiley, W. Roxbury, Mass., 1st.
 Violets, bunch 100 single, Wm. Sim, Cliftondale, Mass., 1st.; E. E. Cummings, Woburn, Mass., 2nd.; Sidney Hoffman, Boston, 3rd.
 Display of Violets, Wm. Sim, 1st.; Henry Penn, Boston, 2nd.
 Mignonette, 25 spikes, Wm. Nicholson, 1st.
 Stocks, display of cut blooms, not less than 6 vases, F. E. Palmer, 1st.; N. F. Comley 2nd.
 Display of cut Lilac blooms, J. W. McIntyre, Phila., Pa., 1st.
 Display of cut blooms of Lily of the Valley, John McFarland, 1st.
 Display of blooms of Marguerites, Peirce Bros., 1st.; S. J. Goddard, 2nd.; J. W. Simpson, Woburn, Mass., 3rd.

Prizes Offered by the S. A. F. & O. H. and the National Association of Gardeners.

Carnations, 6 varieties, 10 blooms each, F. B. Pierson Cup, Wm. Kleinheinz, 1st.; John H. Dodds, 2nd.
 Carnations, 3 varieties, 10 blooms each, limited to growers of only 800 plants or less, Aphine Manufacturing Co., Abraham Wynne, gardener W. W. Heroy, 1st.; Thos. Altchison, 2nd.
 Carnations, best seedling, Robert Craig Cup, Wm. Kleinheinz, 1st.; Abraham Wynne, 2nd.
 Gardenias, best 12 blooms, any variety, Gould Chemical Co., silver cup, C. B. Newbold, 1st.; Henry Seigel, Mamaroneck, N. Y., 2nd.
 Roses, American Beauty, best 12 blooms, stems to be 3 ft. or over, Hitchings & Co.'s Cup, Wm. Kleinheinz, 1st.
 Roses, 4 varieties, 12 blooms each, American Beauty excluded, Aphine Manufacturing Co., Wm. Kleinheinz, 1st.
 Roses, best 12 blooms, any pink variety, Bobbink & Atkins' Cup, (no first); James Stuart, 2nd.
 Roses, best white, 12 blooms, C. H. Totty Cup, James Stuart, gardener for F. A. Constable, 1st.
 Best 6 foliage plants in pots or pans, suitable for table decoration, Wilson Plant Oil & Fert. Co. Cup, Wm. Kleinheinz, 1st.
 Orchids, best specimen in bloom of any variety except Cattleyas, Lager & Hurrell Cup, John H. Dodds, 1st.
 Orchids, best specimen in bloom of any Cattleya, Julius Roehrs Cup, Donald McKenzie, 1st.
 Sweet Peas, best mixed vase of winter flowering varieties, Old Farm Hotel Cup, Wm. Kleinheinz, 1st.; Abraham Wynne, 2nd.
 Cineraria stellata, best 3 plants in bloom, Pierson U-Bar Cup, Clement Newbold, 1st.; John H. Dodds, 2nd.
 Cineraria hybrida, best 3 plants in bloom, Ellwanger & Barry Cup, Wm. Robertson, 1st.
 Primula obconica, best 6 plants in bloom of any type, H. F. Michell Co. Cup, C. B. Newbold, 1st.; W. C. Rust, 2nd.; John H. Dodds, 3rd.
 Cyclamen, best 6 plants, W. & T. Smith Co. Cup, John H. Dodds, 1st.
 Violets, best 100 flowers of any single variety, Association Cup, Henry Darling, 1st.
 Stocks, best vase of one or more varieties, Association Cup, Abraham Wynne, 1st.
 Best display of cut flowers from bulbous or tuberous plants, any variety, Peter Henderson Cup, Wm. Kleinheinz, 1st.
 Best flowering plant in bloom, any species, Aphine Manufacturing Co. Cup, C. B. Newbold, 1st.
 Best new or rare plant, Scott Bros.' Cup, John H. Dodds, 1st.

HORTICULTURAL SOCIETY MEDALS.

Massachusetts Horticultural Society medals were awarded as follows:

Gold medal to Thomas Roland for group of acacias and ericas; to W. A. Manda for collection and display of tropical plants.

Silver medal to R. & J. Farquhar & Co., for Dutch garden; to M. H. Walsh for Rambler roses; to Thomas Roland for rose garden; to Prof. C. S. Sargent for Imantophyllums; to C. R. Newbold for specimen Azaleas; to Mrs. Frederick Ayer for group of tropical plants. A first class certificate was awarded to C. S. Sargent for hybrid Imantophyllums.

THE LIST OF NEW EXHIBITS AND PRIZE AWARDS OF THE CONCLUDING THREE DAYS, AND ACCOUNTS OF THE MEETINGS OF THE S. A. F., AMERICAN GLADIOLUS SOCIETY AND SWEET PEA SOCIETY, SCHEDULED FOR THOSE DATES WILL APPEAR IN NEXT WEEK'S ISSUE.

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

Here we will have greatly increased facilities
for handling our large stock of cut flowers

**OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES
THAT TALKS**

We have a heavy supply of **Roses—Brides, 'Maids, Richmonds, White Killarney, Pink Killarney, Maryland, Jardine, American Beauties, Marshall Field, etc. Easter Lilies, Callas, Valley, Carnations, Sweet Peas, Mignonette, Tulips, Daffodils, Jonquils**—in fact all kinds of cut flowers - and in green we have **Smilax, Asparagus in strings and bunches, Sprenger, Adiantum Ferns, etc.**

BIG SUPPLY FOR EASTER

MEETINGS OF THE SOCIETIES

SOCIETY OF AMERICAN FLORISTS.

The meeting of the National Society called for Monday, March 27, was simply formal and very brief, and Friday, March 31st, was reserved for the detailed proceedings, addresses, reports, etc. This date being subsequent to the time of our going to press, we hold over until next week's issue the advance copies of papers, etc., which we have received and in our next a complete account of the proceedings will appear in these columns.

AMERICAN ROSE SOCIETY.

The meetings of the American Rose Society, which was the first of the affiliated societies to convene on this occasion, on Monday, were well attended. President W. H. Elliott was in the chair and the program was carried out in good shape. His opening address was attentively listened to and its recommendations well discussed and finally adopted.

The reading of Secretary Hammond's report followed.

Secretary's Report.

This exhibition makes the 12th annual rose show for the American Rose Society, and when a society has lived and prospered twelve years in succession, there are certainly elements of interests in its make-up of general service, or it would not thrive. The society has gradually accumulated an invested fund of over \$3,000; it owes no man anything which it cannot pay. Its annual report is looked for and sought for far and wide. Its repre-

sentatives, accredited to the general horticultural or floral assemblies of other nations are received with favor. It counts among its members men with national reputations, as growers of the finest and most cherished of the flower kingdom, the Rose, the flower which has the highest place in poetry and sentiment among all the blossoms of the earth. This is no mean force, this appreciation by all civilized mankind of this flower, second to none. The Rose, in variety is uncounted for multitude, yet always known as the one great flower of universal admiration, and this society aims to increase its popularity.

The medals of the society are comparatively inexpensive, but sought for and highly prized. The secretary would like to make a suggestion or two, one of which is, that hereafter our medals be provided with a suitable case. Hitherto this has not been done. Another matter is this, the increasing need of some way to get into touch with an amateur membership. Here we are lacking. The subject has been touched upon, and its importance recognized, that is a quarterly issue of a journal to go into the hand, especially of amateur or home gardeners—something that is exclusively devoted to the society and its membership. Until this is done, one aim of the society, I fear, will not be reached. We ought to count our membership by thousands, but we do not.

The past year we have not had as many meetings as usual in committee or otherwise. It seems to me as though the Rose Society should be more in

evidence than we are. The trade papers certainly do everything they can to boom the society, but somehow our membership does not enlarge as it should. Our annual meetings, hitherto, have been held in choice places—Boston the center of culture, always gives us a fine welcome, and the show which is here today is one that all the people may enjoy. But, for one, I would like to see the American Rose Society extend its popularity, so that it may become a living reality. "A Rose for every Home, and a Bush for Every Garden."

This spring meeting is a combination effort which it will remain to be seen whether it be not better to hold, and to have a combination exhibition rather than one solely of a class. We want to have all the support possible as an organization. Our program, which you all have makes plain the scope of our work.

The Rev. Dr. S. S. Sulliger, of Vancouver, Washington, who presents in a paper of much interest, his account of a visit to the National Rose Society of England, is not able to be present, owing to family affliction.

We ask a large general attendance to all our meetings.

The report was accepted.

The report of Treasurer Harry O. May followed, as below:

Treasurer's Report.

Receipts	\$7,765.00
Disbursements	7,277.01

Balance	\$487.99
---------------	----------

There are 61 life memberships, \$3000 is invested in three mortgage securities. Treasurer's report was accepted.

IN BOSTON

You will find the Largest and Best Equipped Flower Mart on the Continent. A visit from Florists attending the National Flower Show will be appreciated.

WE CARRY A FULL LINE OF

FLOWERS—PLANTS—GREENS—SUPPLIES

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Our Extensive Exhibit at Mechanics Hall Has
Been a Centre of Attraction

Now is the proper time to place your orders for ROSES, CARNATIONS, LILY OF THE VALLEY, SWEET PEAS, DAFFODILS, VIOLETS and other Staple EASTER Flowers. Also AZALEAS, GIGANTEUM LILIES (in pots or cut), RAMBLER ROSES, SPIRAEAS and all other popular Easter Flowering Plants, carefully shipped direct from the Greenhouse.

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OLDEST, BEST KNOWN AND BUSIEST

¶ A full line of Choice Flower Stock for all purposes. THE HOME OF THE LILY by the 100, 1000 or 10,000.

¶ Plenty of first-class Easter stock at right figures. Everything in the line of flowers in Any Quantity.

P. J. SMITH

Successor to JOHN I. RAYNOR

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Motion was carried that a committee be appointed by the president to use their influence for a reduction of the glass tariff, and the following committee was appointed: Robert Simpson, Fred Burki, Benj. Hammond.

Besides the tariff, the promotion of amateur interest in the society, the grading of cut flowers and other important topics were discussed. Officers were elected as follows:

President, Adolph Farenwald; vice-president, Philip Breitmeyer; secretary, Benj. Hammond; treasurer, Harry O. May; executive committee Eber Holmes and Wallace R. Pierson.

Invitations were extended by Detroit and New York for the next convention. After discussion the selection was referred to a committee to confer with the Carnation Society with a view to arranging for a joint meeting.

August Poehlmann read the following paper:

Developing a Rose Growing Establishment.

The development of any business depends not only on one or two things, but upon a happy combination of conditions properly applied, classified, I would say, under the following factors: Ability, integrity, demand and locality and environments.

Classed separately I would say, ability means able to accomplish, to build, to grow good stock, to manage well, to anticipate and have power to do. As a rule most large up-to-date rose-growing establishments of the present day began business in a very small way. Spurred on by initial success, the earnings were reinvested from time to time to provide for the increasing demand of its product. It becomes second nature then to plan extensions and im-

provements, which in regular course create new heads. Responsibility is shifted. The work becomes more specific, each head a specialist. This system is general throughout, therefore, on ability to do depends much the ability to supply demand. Ability to discern the value of new varieties by previous knowledge of parents or otherwise and anticipate demand for same can properly be included under this head. Good stock creates demand, necessitating increase in output, demanding more labor, skilled and unskilled, labor saving machinery, new materials, etc. Thus one may say that the development depends principally upon the demand, which in turn is fostered by necessity. The demands of a growing or rapidly developing business can only be temporarily satisfied. Likewise, so do the personal demands increase.

Under integrity would come, maintained credit, good will, honest administration, efficient labor, confidence, and credit of customers, integrity of purpose.

Locality and environment cover transportation facilities, nearness of markets for certain commodities used extensively, prompt and efficient service to customers, labor requirements, homes, water, soil, manure and coal supplies. Natural advantages must be taken into serious account when building is contemplated. An unfailling water supply is absolutely necessary, suitable soil, plenty of it for years to come, must be provided for. Coal must be easy to obtain at fair prices. The markets for the sale of goods close at hand. Rapid transportation is desirable at all times, not only for the distributing of stock and to facilitate

purchasing, but it is a material aid in providing necessary help. All these various matters require careful working out, and each is an essential cog in the wheel which makes for the successful development of the business.

An up-to-date rose-growing establishment includes in its makeup, rose growers, steam fitters, painters, teamsters, blacksmiths, firemen, bookkeepers, stenographers, temperature men, engineers, carpenters, glaziers, packers, salesmen, laborers, and what not,—and the money to pay for their combined efforts must come from the product, the rose.

Wallace R. Pierson read his paper on "The Science of Rose Growing."

AMERICAN CARNATION SOCIETY.

The first session of this society was held on Tuesday evening in Paul Revere Hall. M. A. Patten welcomed the members in a short speech.

President Burki, on assuming the chair, was given a most hearty reception. He responded with a few welcoming words and extended a graceful compliment to the energetic and faithful work of his fellow officers and members during the year. He expressed great pleasure over the opportunities presented by the great flower show and congratulated the society on being once more the guest of Boston, "the recognized centre of horticulture." In the way of recommendations, he spoke as follows:

President's Address.

The most important matter that I wish you to consider is "the society's scale of point for judging exhibits." I especially refer to the seedlings or

Azaleas

\$1.00, \$1.25, \$1.50, \$2.00, \$2.50, \$3.00, \$4.00, \$5.00, \$7.50 and \$12.50. A special lot, 22 to 26 inch heads, \$12.50 per pair; 26 to 28 inch heads, \$20.00 per pair.

Azaleas (hardy)

the yellow hardy Azalea (mollis) is exceedingly popular as it can be planted out in the garden after having done duty for Easter. \$1.50 and \$2.00 each.

Araucarias

We offer a nice lot of the excelsa; shapely, well done stock. 75c., \$1.00 and \$1.50

Begonias

We can supply Lorraines but they do not ship well, and we recommend the Rex in preference. 5½ in. 40c. each; 5½ in. 30c. each.

Bougainvillea

\$4.00, \$6.00 and \$10.00 each.

Deutzia

Shapely plants of the ever popular Gracilis (white), good for the garden when done flowering. \$1.00, \$1.50, \$2.00 and \$2.50 each.

Gardenias

Well flowered plants—good sellers as specimens; also profitable to cut from. \$1.50, \$2.00, \$3.50, \$5.00 and \$10.00 each.

Genista'Fragrans

\$6.00, \$9.00 and \$12.00 per doz.

Hydrangeas

Otaksa, Thomas Hogg and Sieur de Coeur. 75c., \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 and \$3.00. Standards, \$3.00, \$4.00 and \$5.00 each.

Lilac

\$1.50, \$2.00 and \$2.50 each.

*Easter
Cut Flower List
ready about
April 1st*

**CUT
FLOWERS**

*Finest long stemmed
Killarneys, Richmonds,
Jardines, Bridesmaids,
and Beauties for Easter
All other popular flow-
ers of the best quality.*

ROSES

Crimson Rambler; \$1.00, \$1.50, \$2.00, \$2.50; fan. and glob. \$2.50, \$3.00 and \$3.50.
Tausendschon; \$1.00, \$1.50, \$2.00, \$2.50; fan. and glob. and pyr., \$2.50, \$3.50 and \$5.00.
Lady Gay; fan., glob. and pyr., \$1.50, \$3.00 and \$5.00; ball and umbrella, \$3.00, \$4.00 and \$5.00.
Hiawatha; fan. and glob., \$1.50, \$3.00 and \$5.00.
Baby Ramblers; \$1.00, \$1.50, \$2.00; standards, \$1.00, \$1.50 and \$2.00.
Pink Baby Ramblers; 75c., \$1.00 and \$1.50.
Baby Dorothy Ramblers; 50c., 75c. and \$1.00.
Phyllis Baby Ramblers; 75c. and \$1.00.
American Pillar Ramblers; \$1.50, \$2.00 and \$3.00.
Hybrid Roses; Richmond, Maryland, Killarneys, Frau Karl Dr., etc., 75c., \$1.00 and \$1.50. Magna Charta, \$1.00, \$1.50 and \$2.00 each.

Easter Plants 1911

We have this year as fine an assortment of Easter Plants as we have ever handled, and our customers know what the P. M. standard of quality means. Orders should be booked as long in advance of Easter as possible so that the very best care and attention as to packing, etc., may be given.

**EASTER LILIES**

We will have a splendid lot of lilies for Easter. A canvas of the market reveals the fact that choice lilies are scarce, plenty of medium and poor stock, in fact too much of the latter, making it more evident than ever that our stock at 15c. is the cheapest to buy; a very few extra long at 17½c. Where customers specify plants with three flowers or less, 17½c.

CUT LILIES

Magnificent long stemmed stock, \$15.00 per 100. In original cases of 200 if desired.

In other plants we offer herewith the product of Philadelphia's best plantmen.

SEND FOR COMPLETE LIST

**S. S. PENNOCK-
MEEHAN CO.**

The Wholesale Florists of Philadelphia

1608-1620 Ludlow Street, Philadelphia, Pa.,
and 1212 New York Ave., Washington, D. C.

Mountain Laurel

A good selling novelty. \$1.50 and \$2.00 each.

Marguerites

White; 6-in. pots, \$5.00 and \$7.00 per doz.; 4-in. \$2.00 doz. Yellow; 6-in., \$9.00 per doz.; 7-in., \$12.00 per doz. Queen Alexandra, white; \$3.00, \$5.00 and \$7.00 per doz. Queen Alexandra, pink; \$4.00, \$5.00 and \$7.00 per doz.

Rhododendrons

Splendid values. Beautifully flowered. Being a late Easter, these come in just right for planting out in the garden after having done duty for Easter. The best varieties in various colors. \$1.50, \$2.00, \$2.50, \$3.00, \$4.00, \$5.00, \$7.50 and \$10.00 each.

Rubber Plants

\$1.00, \$2.00, \$2.50 and \$3.00 each. Branched, \$2.50, \$3.00 and \$4.00 each.

Spireas

Gladstone; extra fine plants; 50c., 75c., \$1.00, \$1.50 and \$2.00.
Superba; 75c., \$1.50 and \$2.00.
Pink Squire; (Queen Alexandra) \$1.00.

Flowering Thorn

A rare and choice item; very little grown of late. \$2.00 and \$2.50 each.

**Some Splendid
New Roses**

"MELODY," the best yellow rose today.
"DOUBLE PINK KILLARNEY," the Killarney that will supersede the Killarney now grown.
"PRINCE DE BULGARIE," entirely different from any rose grown.

Boxwood Sprays

Per 100 lbs., \$15.00.

Wild Smilax

Per case \$5.00.

*Easter
Cut Flower List
ready about
April 1st*

**Ribbons and
Supplies**

*Everything in Florists'
Ribbons; Crepe Paper;
Greens of all descrip-
tions and all the Staple
Florists' Requisites.
Catalog on request.*

Extra Choice Grafted Rose Plants

Pink and White Killarney, Richmond and Maryland

In 2½-in. pots read for delivery April 15th

\$12.00 Per 100

These young plants are taken only from selected wood of our strongest stock.

Kaiserin, own root, 2 1-2 in. \$4.00 per 100; \$35.00 per 1000.

Bassett & Washburn,

**OFFICE: 76 Wabash Av., Chicago, Ill.
GREENHOUSES: Hinsdale, Ill.**

TWENTY HOUSES DEVOTED TO

RAMBLER ROSES,	\$.50 to \$10.00 each
ACACIAS,	1.00 " 7.50 "
AZALEAS,	.35 " 5.00 "
MARGUERITES,	.25 " 2.00 "
LILIES,	.12½ per flower

BOUGAINVILLEAS,	\$1.00 to \$5.00 each
HEATHS,	.50 " .75 "
BORONIAS,	1.00 " 5.00 "
HYDRANGEAS, white and pink,	.50 " 5.00 "

The above stock will be just right for Easter. Greenhouses 40 minutes from North Station, Boston.

THOMAS ROLAND, - NAHANT, MASS.

SEND A LIST AND PRICES

Of what you have in Plants, Flowering or Foliage

FOR EASTER

We are in the market as heretofore, for a large stock and can use all you have if price and quality are right.

BLOOMINGDALE'S

ADDRESS

C. C. TREPEL, Mgr., Plant Department, 59th St., New York

coming new varieties. It appears that we must rely on getting new varieties to take the place of those which we term "standards" now grown. These seem to lose vigor in a few years under our present day treatment. If we are going to keep up the popularity of the carnation we must give more consideration to the keeping qualities, which to my understanding, means substance. For fragrance we only allow five points. Should we not require fifteen points for each of these—color, size, substance and fragrance, ten points each for calyx and form, and twenty points for stem, making a total of 100 points? This scale, to my judgment, would be more uniform than the present percentage on which our judging has heretofore been made. I recommend the appointment of a committee to take up this matter.

Is it not true that the carnation was made by the people the popular flower on account of its fragrance, keeping quality, and comparatively reasonable

price as compared with the Rose? I may add that some of our most prominent retailers care to handle but very few carnations. In fact, they say that they would rather not handle them at all on account of the many complaints they receive, that the carnation blooms which they sold to their customers had gone to sleep on the day they were purchased. We should give this matter our serious consideration, for the buyer of carnation blooms has a right to expect both fragrance and keeping qualities in them. It is too bad that we have been getting away from this in most of our present day varieties.

Now that we have a Carnation Society button we want to carry out the recommendation of our former president, Albert Herr, and that each member greet and welcome anyone wearing the button, and also constitute himself a committee of one, to secure new members to this society.

Secretary's Report.

The year 1910 may well be consid-

ered a very successful one, for the American Carnation Society. After a very successful convention at Pittsburgh, Pa., in January, preparations for this present convention were almost immediately taken up, and have kept the secretary's office busy during the entire year. The mails coming and going out have perhaps never been so large as during the past year.

The membership made its usual slight gain. During the year 1910 we added 57 new names, and against these we have 28 on the delinquent list. Sixteen new names have been added since the first of this year. We now have 344 members in good standing.

We have collected the dues as diligently as possible and turned them over to the treasurer, taking his receipt therefor. There is, however, a good deal standing out.

Five deaths were reported during the year, namely, Lyman B. Craw, of New York; Mrs. M. S. Vesey, of Ft. Wayne, Ind., who died on April 8th; W. E. Hall, of Clyde, O., who died on

IMPORTERS OF

Azaleas,
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Boxwood,
Magnolias and other
Forcing Shrubs.

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Likewise for:

Best Valley Pips,
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Roman and Dutch Hyacinths
and all

Florists' forcing Bulbs and Plants
and allNurserymen's Ornamental and Evergreen
Shrubs and Trees**For the Trade Only!**

Azalea Indica

New Varieties for Fall delivery of Double White and very finest Pink sorts, grown by The Haerens Co., of Somergem, Belgium, which were exhibited and greatly admired at the National Flower Show, Boston, Mass. Also all of the leading commercial varieties, grown especially for the American trade. For full information, prices, etc., please apply to

H. FRANK DARROW

26 Barclay St., New York

P. O. B. 1250

May 3rd; Anthony Wiegand, of Indianapolis, Ind., who died Dec. 19th; Fred Dorner, of LaFayette, Ind., who died Dec. 29th.

To the funeral of Mr. Dorner who was one of our early presidents, we ordered a wreath of carnations costing \$15.00, after having first secured the sanction of the president. Nine members of the A. C. S. attended the funeral services, which were held on Jan. 3rd.

Complying with instructions given by the last convention, we have had designed a permanent button. The design having been approved by the board of directors, we had 150 of them made, and we are pleased to state that most of these have been sold among our members. They were sold at a slight profit to the society. A wide distribution being more desired than a profit.

The annual report was mailed to all the members, as is customary.

The premium schedule for this exhibition was also out in due time. We were able to secure slightly more advertising matter than was carried by last years list. The amount being exactly 30 pages, amounting to \$300.

The cost of printing the schedule ran slightly over \$100 and we have deferred payment until this meeting approves the account. This transaction is a violation of Section 6 of Article 2 of the Constitution, and inasmuch as the printing of this schedule will vary in proportion to the amount of revenue it produces for the treasury, and as we expect and hope to see a recurrence of the same thing each year, we would recommend that the printing of the premium schedule be inserted in that

clause which gives permission to spend over \$100.00 for printing the annual report.

We would also recommend a change in section 8 of the by-laws. We recommend that instead of compelling delinquent member to pay up all arrearages, that he be compelled to pay only one year's back dues. This would cover the time we carried him on the books after the last payment of his dues. Or, that after a certain lapse of time, he be allowed to join as a new member.

The merging of our exhibition with the National Flower Show, was perhaps responsible for most of the activity in the secretary's office. Just how much the society will be benefited, or otherwise, remains to be seen. The liberal premiums, coupled with the rule compelling membership in the A. C. S. of all competing exhibitors, has brought in several members. More than usually come in before the convention takes place.

The large increase in the total amount available for carnation premiums, made it necessary to completely rearrange the schedule. The schedule as it is this year, seems much nearer perfect than any we have ever had, in that it provides for a more complete exhibition of the carnation and its possibilities. If this list can be reduced without eliminating too many of the decorative features, it would be a step in the right direction.

To the National Flower Show Committee is due our thanks, for placing at our disposal the generous sum of \$750.00 to be used for premiums at this exhibition. This added to our usual amount of cash, medals and special

premiums, made the largest amount of premiums ever offered for carnations, totalling nearly \$1400.00. The large number of entries shows that the money was wisely distributed.

To our friends is due our thanks for the liberal special premiums placed at our disposal.

In conclusion, I wish to add that the society owes its thanks to our vice-president, Mr. E. A. Peirce, for the able manner in which he has handled the local end of the preparations.

Treasurer's Report.**Expenditures.**

Paid by orders on Treasurer.....	\$900.65
Balance, cash on hand Mar. 24, '11.	1,197.47
	<hr/> \$2,098.12

Receipts

Balance, cash, Jan. 24, 1910.....	\$283.68
Cash from Secretary.....	1,687.15
Cash, interest.....	127.29
	<hr/> \$2,098.12

Permanent Fund.

Reported Jan. 24, 1910.....	\$2,425.31
Life membership, F. Burk.....	50.00
	<hr/> \$2,475.31

F. E. DORNER, Treas.

Treasurer Dorner's report showed the financial standing to be all that was desired. The report of the Nomenclature committee was presented and accepted. A letter from W. N. Rudd was read by the secretary in which he resigned his position as judge. J. S. Brunton, organizer of the party of British tourists and chairman of the British Perpetual Flowering Carnation Society, made a short address in which he explained that the perpetual carnation was the British description of the American carnation. He spoke of the introduction of the American car-

nation in England and the popularity of the type of flower. C. Engelmann, of Saffron Walden, another of the party, well known as a carnation grower, also spoke. On being asked what varieties were favorites there, he mentioned Enchantress, White Perfection, Mrs. C. W. Ward, Beacon, Scarlet Glow and Mrs. M. A. Patten. W. B. Wallace, another visitor from abroad, spoke gracefully of the great hospitality he had experienced since his arrival in America. A vote of thanks to the visitors for their attendance was passed.

The question of the next place of meeting coming up, Philip Breitmeyer of Detroit, made an eloquent speech in which he set forth the claims of Detroit. He explained that the American Rose society had voted to hold its annual meeting next year in Detroit, and that if the Carnation Society could select a mutually acceptable date it would be a good plan. The Board of Directors was empowered to represent the society in a conference with the representatives of the Rose Society. J. A. Valentine was nominated for president, Philip Breitmeyer for vice-president, A. F. J. Baur for secretary, Fred E. Dorner of Lafayette, Ind., for treasurer. J. F. Ammann of Edwardsville, Ill., James T. Scott of Elmsford, N. Y., and C. W. Johnson of Morgan Park, Ill., were nominated for judges. The report of the judges was then presented. The meeting then adjourned until Thursday morning.

Thursday Morning's Session.

At the meeting on Thursday A. M. the society confirmed the nomination of officers previously made and each was elected.

Resolutions were passed on the death of Fred Dorner. It is earnestly desired to have some form of a memorial or tablet to the memory of Mr. Dorner, each member to subscribe \$2.00, notification of same to be made to each member by the secretary. Committee on president's message reported as not in favor of changing the scale of points, and the committee on the secretary's suggestion in regard to delinquents reported that such delinquents may come in upon payment of one year's dues, \$5.00. Both of these motions were adopted by the society. New judges were elected by ballot; Wm. Nicholson, E. S. Stroud and C. W. Johnson were elected to fill the unexpired term of W. N. Rudd. Detroit was decided on as the meeting place for 1912, the date being set for January 24th. It was also decided that the board of directors be empowered to accept the final report which will obviate the calling of a general meeting for Friday night, that is, the final report of judges. The board of directors were also empowered to pay over the money due the National Flower Show Association.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

The opening meeting of this society was held on Wednesday afternoon. President Burpee, in a very felicitous speech introduced George Asmus, president of the S. A. F. Mr. Asmus said in part: You are one of the auxiliary societies connected with one of the greatest flower shows we have ever

(Continued on page 500)

Easter Plants

Send your orders direct to the Mill, the great Mill of Plant Production that never ceases, of Godfrey Aschmann, well known for Easter Plants from ocean to ocean.

LILIU MULTIFLORUM green as grass, good foliage from bottom up, 6-in. pots from 12 to 30 inches high. Plants with 5 to 10 buds, 10c. per bud; plants with 2 to 4 buds, 12c. per bud.

HYDRANGEA OTAKSA every branch nicely staked up, 6, 7 and 8-inch pots, 35c., 50c., 75c., \$1.00 to \$1.50.

SPIREA GLADSTONE, 6 and 7-inch pots full of flowers, 35c., 50c., 75c., \$1.00.

CINERARIA HYBRIDA GRANDIFLORA, all colors, mixed, 5½ to 6-inch pots, 25c., 35c., 50c., 75c., \$1.00.

AZALEA INDICA, selected by myself on my trip to Belgium last year, 1910. Good best American varieties, Mme. Van der Cruyssen, double pink, 75c., \$1.00, \$1.25, \$1.50 to \$2.00. Simon Mardner, double pink, Vervaeana, De Schreyeriana, Empress of India, double variegated, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00. Apollo, red, 50c., 60c., 75c. Deutsche Perle, Niobe, white, 60c., 75c., \$1.00, \$1.25 to \$1.50. Bernard Andreas Alba, also white, and large Niobe, \$1.50 to \$2.00.

CRIMSON RAMBLER ROSES, large plants 30 by 36-40 inches high, 75c., \$1.00, \$1.25, \$1.50.

HYACINTHS, four best colors: Gertrude, pink, King of the Blues, dark blue, Grand Maitre, light blue, La Grandesse, white, 4-inch pots, \$12.00 per 100.

TOURNESOL, best double variegated and Murillo double rose Tulips, 3 bulbs in one pot, \$1.80 per doz., \$15.00 per 100 pots.

VON SION DAFFODILS, best double yellow narcissus, 3 bulbs, in 6-inch pots, \$2.50 per doz. pots.

ARACARIA EXCELSA, 6 and 7-inch pots, 4, 5, 6 and 7 tiers, 4 to 5 years old, 25, 30 and 35 inches high, 75c., \$1.00, \$1.25, \$1.50 to \$2.00.

ARACARIA GLAUCA, 6 to 7-inch pots. **ARACARIA ROBUSTA COMPACTA**, 6 to 7-inch pots, \$1.25, \$1.50, \$1.75 to \$2.00.

KENTIA FORSTERIANA, 6-inch pots, 30 to 40 inches high, \$1.00, \$1.50 to \$2.00.

KENTIA BELMOREANA, single plants, 6 to 7-inch pots, \$1.50 to \$2.00.

KENTIA BELMOREANA, combination plants, 3 plants in one pot, 30 to 40 inches high, \$1.25, \$1.50 to \$1.75.



FERNS

ASPARAGUS SPRENGERI, 4-inch, 10c.; 2½-inch, 4c.

NEPHROLEPIS BOSTONIENSIS, 5½ to 6-inch, 40 to 50c.

NEPHROLEPIS SCHOLZELI, 6-inch, 50c.; 7-inch, \$1.00.

WHITMANI, 7 to 8-inch, \$1.25 to \$1.50.

SCOTTII, 5, 5½ to 6-inches, 35c., 40c., 50c.; 7-inch, \$1.00; 8-inch, \$1.50.

NEPHROLEPIS GIATRASIL, a new fern very graceful, of weeping habit, 5, 5½-inch pots, 30c., 40c., 50c. Small 4-inch, 20c.

LATANIA BORBONICA (Chinese Fan Palms) 30-inches, 6 to 7-inch pots, 40c., 50c., 75c.

DRACAENA BRUANTI, 6-inch, 35c. to 40c.

BEGONIA REX, 5¼ inches, 25c.

IPOMEA NOCTIFLORA or Aschmann's well-known, pure white, waxy Moon Vine, 2½ inch, \$5.00 per 100. Now is the time for you to plant them into 4-inch pots. will make plants for you by May 25th.

FERNS FOR DISHES, assorted, \$4.00 per 100.

Cash with order please, no references. All plants travel at purchaser's risk only. Mention if pots are wanted.

GODFREY ASCHMANN

Importer and Wholesale Grower and Shipper of Potted Plants

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GLADIOLUS "NIAGARA"

The most beautiful of all light colored Gladioli since the introduction of "America." Large Orchid flowers. Beautiful light buff or cream, throat splashed carmine; with stamens a shade lighter. A delightful combination of color. Grand Florists' Flower. Limited stock of bulbs for sale. Write at once for illustrated circular. \$150.00 pr. 1,000; \$15.00 pr. 100; 50@ 100 rate. Less than 50 @ 25c each.

FRANK BANNING - - -
GLADIOLUS SPECIALIST

Kinsman, Ohio
ORIGINATOR OF "AMERICA"

The E. G. Hill Co.

Wholesale Florists,
Richmond, Ind.

Headquarters for

SPRING BULBS

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John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

CHRYSANTHEMUMS
and **ASTER SEED**

ELMER D. SMITH & CO., Adrian, Mich.

Tuberous Rooted Begonias

In five separate colors — White, Scarlet, Crimson, Pink and Yellow —

SINGLE, \$2.50 per 100 \$20.00 per 1000

DOUBLE, \$4.50 " " \$40.00 " "

GLOXINIAS

In four separate colors — White, Blue, Red, and Blue-bordered White.

\$4.50 per 100

Finest Mixed, all colors — \$3.50 per 100

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of the following varieties — first-class plants of exceptionally good value, — plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. It has not reverted in the last four years. Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$12.00 to \$18.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scotti does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$18.00 per dozen; extra fine specimens, 12-in. pans, \$5.00 each.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted, — *Pteris Mayii*, *Wimsetti*, *Adiantoides*, *Aspidium tsusimensense*, *Cyrtomium falcatum*, etc.

Nice plants, 2 ¼-in. pots, \$3.50 per 100.

CROTONS

Fine assortment, well-colored. 5-in. pots, \$9.00 per dozen.

F. R. Pierson Company
TARRYTOWN-ON-HUDSON, NEW YORK

To Be Successful Sow In March

We are in the front rank for all the latest and most up-to-date Winter-Flowering and Spencer Sweet Peas, and made a specialty of this grand annual. Our collection has been thoroughly revised, synonyms and out-of-date varieties have been eliminated, wherever practical, and only those of real merit retained. When you stop to consider that there are nearly six hundred named varieties, you will doubtless miss some old favorite that you have known. No doubt we could procure you this variety; we could certainly send a variety equally as good.

The Spencer or Orchid-flowering types are exceedingly popular and all the varieties that we offer can be relied upon to come true to color and description. The "Unwins" are all good, and many grandiflora varieties are still holding their own.

If collections are wanted for exhibition purposes, we shall be glad to make suggestions.

NOVELTY SWEET PEAS

Maud Holmes

Sunproof Crimson Spencer (Holmes, 1910). This is undoubtedly one of the finest novelties of recent introduction; flowers are of the largest size, three and four to a spray, carried on long stems, of brilliant crimson, and blooms are of the true Spencer type, both standard and wings being well waved. This variety will not burn under the hottest sun, is of vigorous and strong growth. The stock is fixed as is shown by The National Sweet Pea Society's trials in England. Pkt. 15 cts., 4 for 50 cts. (See illustration.)

Doris Burt

(Unwin, 1909.) The color is a most brilliant light scarlet, slightly shaded cerise. For exhibition or table decoration it is excellent, and is quite the best of its class. Pkt. 15 cts., 4 for 50 cts.

Mrs. Hugh Dickson

(Dobbie, 1909.) A cream-pink Spencer on buff ground, very fine form; flowers well placed on long stems. Award of merit, N. S. P. S., 1910. Pkt. 15 cts., 4 for 50 cts.

Emily Eckford Spencer

The flowers are of good form, waved and of the true Spencer type. They are a rosy purple self color at opening, but turn bluish purple as they reach full expansion. It is similar to Tennant Spencer, but without any suggestion of magenta—what variation there is in the flowers is toward blue. Pkt. 15 cts., oz., \$1.25, ¼ lb. \$4.00.

Rose du Barri

This new grandiflora affords an entirely new shade in Sweet Peas. The name itself suggests the color, which is a lovely combination of deep rich, carmine-rose and orange. It is unique and distinct, a charming flower of deep rose color, overlaid with a lovely sheen of terra cotta. Foliage and haulm very dark green. One of the best decorative Peas ever introduced. For artificial light it is unsurpassed. Pkt. 15 cts., 4 for 50 cts.

Ethel Roosevelt

Is a true waved variety of the largest and most perfect Spencer type. The ground color is a soft pleasing primrose, or straw color, overlaid with dainty flakes and splashes of bluish-crimson. The crimson is not at all pronounced and simply gives some warmth and golden tinting to the yellowish ground work. Pkt. 15 cts., 4 for 50 cts.

Florence Nightingale

The flowers are truly magnificent and of immense size. The standard is unusually large and bold, pronouncedly waved, yet standing erect and broad, frequently measuring two inches across. The color is most charmingly soft and yet rich lavender, which is enlivened by a very faint sheen of rose-pink. It is practically a self color and bunches beautifully. Pkt. 15 cts., 4 for 50 cts.

Masterpiece

(Malcolm, 1908.) The color of the flower is a rich lavender, of true Spencer type, flowers very large, well waved, remarkably free-flowering. Award of merit, N. S. P. S., 1910. Pkt. 15 cts., 4 for 50 cts.

Tuckswold Favorites

A superb mixture of pedigree Spencer hybrids, being the results of hybridization and trials of Mr. Robert Holmes, the English Sweet Pea specialist, and containing a great assortment of colors. Varieties and colors will be found in this collection hitherto unknown, and many surprises will be in store for growers of this grand Tuckswold mixture. Pkt. 15 cts., oz. 60 cts., ¼ lb. \$2.00, lb. \$7.50.

Queen Victoria Spencer

The flowers are extremely large, of the true waved Spencer type, and have a most pleasing color effect.

The background is quite a deep primrose, flushed with rose. The flowers are all of good substance, borne three and four to the stem. The strong dark green stems carry well the gigantic flowers. Pkt. 15 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

Collection, one packet each of the above 10 varieties, for \$1.25.

Sweet Pea Maud Holmes (Spencer)

Collection, one packet each of the above 10 varieties, for \$1.25.

ARTHUR T. BODDINGTON,

Boddington's Quality Sweet Peas

INCLUDING ALL THE SUPERB SPENCER VARIETIES

If you are an up-to-date florist you should include these varieties in your order.

At the exhibition of the National Sweet Pea Society of America, held at the American Museum of Natural History, New York City, July 12 and 13, 1910, we were again awarded the C. C. Morse Co.'s **SILVER CUP** for the finest collection of Sweet Peas. Open to the trade only.

	Per lb.	Per ¼ lb.	Oz.		Per lb.	Per ¼ lb.	Oz.
AGNES JOHNSTON, light pink and clear pink	\$0.30	\$0.10	\$0.05	LADY GRISEL HAMILTON, lavender and mauve	.50	.15	.10
*AMERICA SPENCER, striped and mottled	3.00	1.00	.35	LOTTIE ECKFORD, lavender and mauve, picotee-edged	.30	.10	.05
*APPLE BLOSSOM SPENCER, rose or pink and white	2.50	.75	.25	LORD NELSON, violet and indigo	.30	.10	.05
*ASTA OHN SPENCER, lavender and mauve	2.00	.75	.25	*MARIE CORELLI, rose-crimson	5.00	1.50	.50
*AURORA SPENCER, striped and mottled	5.00	1.50	.50	MID BLUE, blue and purple	3.00	1.00	.35
BOLTON'S PINK, orange-pink, etc.	.30	.10	.05	MILLIE MASLIN, crimson-scarlet	2.50	.75	.25
BLANCHE FERRY, EXTRA EARLY, rose or pink and white	.25	.10	.05	MISS WILLMOTT, orange-pink, etc.	.30	.10	.05
*BLANCHE FERRY SPENCER, rose or pink and white	2.50	.75	.25	MONT BLANC, pure white	.75	.25	.10
BLACK KNIGHT, maroon	.50	.15	.10	MRS. GEO. HIGGINSON, JR., lavender and mauve	.25	.10	.05
*BLACK KNIGHT SPENCER, maroon	2.50	.75	.25	MRS. ALFRED WATKINS, light pink	.50	.15	.10
BURPEE'S EARLIEST WHITE, pure white	1.50	.40	.15	*MRS. SANKEY SPENCER, pure white	1.75	.50	.20
*CAPTAIN OF THE BLUES SPENCER, blue and purple	2.00	.60	.25	*MRS. ROUTZAHN SPENCER, light pink, buff and pink	3.00	1.00	.35
COUNTRESS OF POWIS, orange-pink, etc.	.75	.25	.10	MRS. COLLIER, pale yellow and primrose	.30	.10	.05
*COUNTRESS SPENCER, TRUE STOCK, light pink shades, etc.	.75	.25	.10	MRS. WALTER WRIGHT, mauve and blue	.50	.15	.10
*COUNTRESS SPENCER HYBRIDS MIXED, mixed	1.00	.25	.10	*MRS. WALTER WRIGHT SPENCER, mauve and blue	2.50	.75	.25
DAINTY, light pink shades, etc.	.30	.10	.05	NAVY BLUE, violet and indigo	.30	.10	.05
*DAINTY SPENCER, light pink almost white	5.00	1.50	.50	*NORA UNWIN, pure white	.75	.25	.10
DUKE OF WESTMINSTER, blue and purple	.30	.10	.05	*OTHELLO SPENCER, maroon	2.50	.75	.25
DOROTHY ECKFORD, pure white	.30	.10	.05	*PARADISE, light pink shades, etc.	.50	.15	.10
EARLIEST OF ALL, rose or pink and white	.75	.25	.10	*PHYLLIS UNWIN, light pink, buff and pink	.75	.25	.10
EARLIEST SUNBEAMS, pale yellow or primrose	.75	.25	.10	*PICOTEE, light pink, almost white	5.00	1.50	.50
*E. J. CASTLE, rose-crimson	.50	.15	.10	*PRINCESS BEATRICE SPENCER, light pink, buff and pink	1.75	.50	.20
*EVELYN BYATT, orange-pink, etc.	.50	.15	.10	*PRINCE EDWARD OF YORK SPENCER, orange-pink or salmon	4.00	1.25	.40
*ENCHANTRESS, light pink shades, etc.	1.00	.35	.15	PRINCE OLAF, violet, feather-white	.75	.25	.10
FLORA NORTON, blue and purple	.30	.10	.05	*PRIMROSE SPENCER, pale yellow or primrose	1.50	.50	.20
*FLORA NORTON SPENCER, blue and purple	3.00	1.00	.35	PRIMA DONNA, light pink and clear pink	.30	.10	.05
*FRANK DOLBY, lavender and mauve	1.25	.40	.15	PHENOMENAL, lavender and mauve, picotee-edged	.50	.15	.10
*FLORENCE MORSE SPENCER, light pink and clear pink	1.50	.40	.15	QUEEN ALEXANDRA, crimson-scarlet	.50	.15	.10
*GAITY SPENCER, striped and mottled	3.00	1.00	.35	*QUEEN ALEXANDRA SPENCER, crimson-scarlet	4.00	1.25	.40
*GEORGE HERBERT, light pink shaded deeper pink	1.00	.35	.10	QUEEN OF SPAIN, light pink, buff and pink	.30	.10	.05
*GEORGE STARK, crimson-scarlet			2.00	QUEEN VICTORIA, pale yellow or primrose	.30	.10	.05
*GLADYS UNWIN, light pink shades, etc.	.50	.15	.10	*RAMONA SPENCER, striped and mottled	1.50	.50	.20
HELEN PIERCE, violet, feathered white	.50	.15	.10	RAMOLO PIOZANNI, mauve and blue	.30	.10	.05
*HELEN LEWIS, orange-pink, etc.	1.00	.35	.10	*RUBY SPENCER, crimson-scarlet	3.00	1.00	.35
HENRY ECKFORD, orange-pink	.50	.15	.10	*SATIN QUEEN SPENCER, deep primrose and satin pink	5.00	1.50	.50
HONORABLE MRS. KENYON, pale yellow or primrose	.30	.10	.05	*SENATOR SPENCER, striped and mottled	5.00	1.50	.50
*JUANITA SPENCER, striped and mottled	2.50	.75	.25	*SNOWFLAKE, pure white	2.50	.75	.25
*JOHN INGMAN, rose-crimson	1.50	.50	.15	STELLA MORSE, light pink and primrose	.30	.10	.05
JEANNIE GORDON, rose or pink and white	.50	.15	.10	SHAZADA, maroon	.30	.10	.05
KATHARINE TRACY, light pink and clear pink	.30	.10	.05	*SAINT GEORGE, crimson-scarlet	1.50	.50	.20
*KING EDWARD SPENCER, crimson-scarlet	2.50	.75	.25	*SUTTON'S QUEEN, light pink, buff and pink	2.00	.75	.25
KING EDWARD VII, crimson-scarlet	.75	.25	.10	*TENNANT SPENCER, mauve and blue	2.50	.75	.25
LOVELY, light pink shades, etc.	.30	.10	.05	WHITE WONDER DOUBLE, pure white	.30	.10	.05
*LOVELY SPENCER, light pink, buff and pink	2.50	.75	.25	*WHITE SPENCER, pure white	1.50	.50	.20
				*W. T. HUTCHINS, light pink, buff and pink	2.50	1.00	

Those marked with a (*) are Countess Spencer or Unwin type.

BODDINGTON'S QUALITY MIXTURE OF SWEET PEAS

Containing all the leading and most distinct varieties of Sweet Peas in commerce. This mixture is made by ourselves and great care is taken not to have a preponderance of any color or variety. It is truly, and indeed a mixture. ¼ lb., 10c.; ½ lb., 15c.; 1 lb., 25c.; 5 lbs., \$1.00; 100 lbs., \$18.00.

COUNTRESS OF SPENCER HYBRIDS In splendid mixture. Customers who are at a loss what varieties to buy will find this mixture a most satisfactory way to have the "E pluribus unum" of this lovely flower. Oz., 10c.; ¼ lb., 25c.; 1 lb., 75c.; 10 lbs., \$7.00.

All Our Sweet Peas are re-selected, not ordinary stock. Remember you may deduct 5 per cent if cash accompanies the order.

See our Florists' Catalogue for Quality Seeds, Bulbs and Plants, mailed free. For Cannas see our adv., page 285 March 4 issue of Horticulture.

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Orchids, Palms, Bays and Box Trees

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Cyclamens and Easter Novelties

FLOWERING and FOLIAGE PLANTS FOR EASTER 1911

BOUGAINVILLEA SANDERIANA—\$2, \$3 and \$4 each.
GARDENIAS IN POTS—fine and bushy, full of buds and flowers, \$1.50, \$2 and \$3 each; in 7 and 8 inch pots.
HYDRANGEA OTAKSA—very fine plants, \$1.50 to \$5 each.
EASTER LILIES—\$12 per hundred, short.
GENISTA RACEMOSA—\$6 a dozen; larger \$1.50, \$2 each. Plants, \$10, per 100 flowers.
GHENT AZALEA BUSHES—50c. to \$2 each.
" " STANDARDS \$4 and \$5 each.
" " PYRAMIDS \$4 and \$5 each.
AZALEA FIREFLY—\$4, \$5, \$6 a doz. Larger plants \$9, \$12, \$18 a doz., for basket work.
AZALEA CHAS. ENCKE—\$4, \$5, \$6 a doz.
LILY OF THE VALLEY, in pans, 50c., 75c. and \$1 each.
RHODODENDRONS—\$1, \$1.50, \$2, \$3, \$4, \$5.
ROSES—Wedding Bells, Crimson Rambler, \$1 to \$5 each.
" Everblooming Crimson Rambler (Flower of Fairfield) \$1 to \$5 each.
" Tausendschon, \$1 to \$5 each. Very fine pink.
ROSE BUSHES—Mme. Cutbush, very fine pink, \$12, \$18, \$24 and \$30 per dozen.
" " Frau Carl Druschki, pure white, large, \$18 and \$24 a dozen; 7 to 9-inch pots.
" " Comet, single pink, white centre; 75c. to \$3 each; all shapes.
" " Dorothy Perkins, pink, \$1 to \$4 each.
" " Baby Dorothy, small pink baby Rambler, \$9, \$12 and \$18 a dozen.
ARAUCARIA, Excelsa, \$6 and \$9 a doz.; a few large plants at \$2 each.
BRANCHED RUBBERS, with nice branches, \$1.50 and \$2 each.
CYBOTIUM SCHIEDEI—\$3 and \$3.50 each.
FERNS—Boston, 75c., \$1, \$1.50, \$2 and \$3 each.
" Pieroni, \$1.50 each.
" Schoelzeli, 50c. to \$3 each.
" Scottii, \$1.50 and \$2 each.
PHOENIX ROEBELENI—\$1 to \$2 each.
RHAPIS FLABELIFORMIS—\$3 to \$8 each.

The above plants are all in first class condition and will be fine for this Easter. Our terms are net cash with order please, or satisfactory references. Order early and get the best.

ANTON SCHULTHEIS
COLLEGE POINT, Queens Borough, N. Y.

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Guaranteed true type, good strong plants

JOHN DE BUCK

will be back from collecting plants in South America in Spring.

C. TRIANAE, C. GASKELIANA, C. SCHROEDERAE C. SPECIOSISSIMA, C. MENDELLI, DENDROBIUM FORMOSUM, C. GIGAS, C. MOSSIAE, DENDROBIUM PHALAENOPSIS

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PLANTS and FLOWERS always on hand

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We are one of the largest Collectors and Importers of Orchids.

INVESTIGATE US!

CARRILLO & BALDWIN,
Manhasset Neck, New York.



DELPHINIUM BELLADONNA.

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$1.50 per dozen, \$12.00 per 100, \$100.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety. 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinense Blue and White. 75 cents per dozen; \$5.00 per 100.

Choice and Rare Named Hybrid Varieties

Amos Perry. Symmetrically formed, semi-double flowers of a rich rosy-mauve, flushed sky-blue, conspicuous black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Amyas Leigh. Large spikes of rich sky-blue flowers, the inner petals rich rosy-plum with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Belladonna. The freest of all, never out of bloom. Beautiful turquoise-blue flowers. 15 cents each; \$1.50 per dozen; \$12.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye. \$2.50 per dozen; \$20.00 per 100.

Julia. Gigantic flowers of a pretty "Cornflower" blue, beautifully veined with rose and large pure white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$18.00 per 100.

Mme. Emma Zaiser. Flowers nearly 2 inches in diameter, rich cambridge-blue, flushed rose, jet-black-centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mme. Violet Geslin. One of the finest, flowers perfectly round, clear blue, centre lavender, with bold white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Musea. Large circular flowers of a curious shade of rosy-mauve, edged cambridge-blue, with dark eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Portia. Lovely "Cornflower" blue, with faint flush of rose and black centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Queen Wilhelmina. Massive spikes of sky-blue flowers flushed with rose, with very large pure white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Rembrandt. Large loose spikes of bright sky-blue flowers, inner petals rosy-lavender, the whole suffused with a silvery sheen. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

NEW WHITE DELPHINIUM.

Hybridum Meerheimi. The first really pure white Delphinium introduced and a sterling novelty; a strong vigorous grower and a remarkably free bloomer. Stock limited. \$2.00 each.

Dreer's Superb Double Hollyhocks

We have this season a fine lot of strong, clean, healthy, vigorous one-year-old flowering plants of the finest strain, as under:

Double White,	Double Yellow,	Double Rose,
Double Pink,	Double Red,	Double Maroon.

\$1.50 per dozen; \$10.00 per 100.

Single Mixed	Per doz.	Per 100	Double Mixed	Per doz.	Per 100	Double Fringed Allegheny	Per doz.	Per 100
.....	1.25 *	8.00	.....	\$1.25	\$8.00	.....	1.25	8.00

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

For a complete list of Hardy Perennials and other seasonable stock see our current wholesale list

The above prices are intended for the trade only

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Greatest quantity and variety in the country. Established and freshly imported. Also material in which to grow them.

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Price list on application.

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Assorted varieties, 2-in. pots, \$3.50 100; \$30.00 1000; 500 at 1000 rate.

Cash with order

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HYBRID TEA ROSES, AZALEAS,
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WATER LILY SPECIALIST

Gladiolus, Cinnamon Vines

Madeira Vines, Lilies, Iris, Daphne
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and Wistarias.

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E.S. MILLER, Wading River, N.Y.

BOSTON FERNS, 2 1/2 inch \$30.00 per 1000.
WHITMANI, 2 1/2 inch \$5.00 per 100; \$40.00 per 1000; \$50 at 1000 rates.
MAGNIFICA, 15 cents each.

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All Varieties, All Sizes.

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HYACINTH STAKES (Wood) Dyed Green

	Per 100	Per 1000	Per 5000
12 inch	\$0.15	\$1.00	\$4.25
18 " .....	.20	1.35	6.25

HEADQUARTERS FOR CANE STAKES

	100	500	1000	5000
Southern, very long, select quality.	\$0.75	\$3.00	\$6.00	\$25.00
Japanese, very thin about 6 ft. long	.75	3.00	5.50	25.00

UNPAINTED STAKES OR DOWELS

	Per 100	Per 1000
36 in. long, 1/4 in. diameter.....	\$0.65	\$5.25
36 " " 3/8 " " .....	.65	5.25
42 " " 1/4 " " .....	.75	6.00
42 " " 3/8 " " .....	.75	6.00

The above dyed green, 10c. per 100 or 50c. per 1000 additional.

PAPER FLOWER POTS

They are the cheapest flower pots on the market. Especially valuable for shipping plants by express.

Size	100	1000	Weight per 1000 pots	Size	100	1000	Weight per 1000 pots
2 1/4.....	\$0.30	\$2.42	20 pounds	4.....	\$0.80	\$6.60	38 pounds
2 1/2.....	.35	2.78	23 "	5.....	1.20	10.96	56 "
3.....	.45	3.82	33 "	6.....	1.65	14.68	74 "
3 1/2.....	.65	5.24	44 "				

500 of any of the above in one size at 1000 rate.

CARNATION BANDS

Oz., 25c.; 1/4 lb., 85c.; 1 lb., \$3.00. Add postage at rate of 16c. 1b. to the above prices.

CARNATION STAPLES

50c. per 1000; \$2.35 per 5000.

SEND FOR WHOLESALE PRICE LIST

MICHELL'S SEED HOUSE, 518 Market St., PHILADELPHIA

NATIONAL SWEET PEA SOCIETY.

(Continued from page 494.)

had. On behalf of the S. A. F., and also of the committee of control, I most cordially welcome you at this time at this gathering. The show that the sweet pea society has made here is the finest I have ever been able to see, and I think it has caused more talk for the space and amount of flowers displayed than any flower in the whole show. I sincerely wish you all the success that you so much merit. The hospitality of the society is open to you. The rose society and we expect the carnation society are probably going to Detroit next year. We want the next spring meeting of the Sweet Pea Society to go with us also.

Prof. Beal of Cornell University, read a thoughtful paper on "Trials of Sweet Peas Under glass as Tested in the Experiment Station."

William Sim of Cliftondale, Mass., next read a paper on his experiences in growing sweet peas under glass. He deplored the fact that competition was so limited in the various classes at this show. There is a continual demand for new colors, and there is a great field in store for the flower. Sweet peas are like human beings; they can stand a certain amount of high living only and keep healthy. Mr. Sim answered many questions concerning the growing of sweet peas.

Prof. John Craig gave a history of the work of the experiment station. Nothing was left undone in securing comparative data on the different varieties. Among the firms who had contributed seeds for the experiment station were: A. T. Boddington, W. W. Rawson, R. H. Bath, W. G. Unwin, W. A. Burpee, Watkins & Simpson, Vaughan's Seed Store, James Vick's Sons, Peter Henderson & Co., A. C. Zvolanek, Henry A. Dreer, Bobbink & Atkins.

Recommendations: That a digest of the conclusions of field studies in the forcing of winter varieties should be made. That a list of the newer varieties of special promise and those of special merit in the advance trials should be made; that the society should publish immediately the above information as an initial step in the

progress of National Sweet Pea Society work.

NATIONAL ASSOCIATION OF GARDENERS.

This association organized by W. E. Maynard held its fourth annual dinner and meeting in Talbot Hall, Mechanics Building, on Wednesday evening. Among the speakers were Robert Craig of Philadelphia, William Kleinhertz and George Asmus of Chicago.

Stamford, Conn., was chosen as the next meeting place. The following officers were elected: President, Thomas Logan of Jenkintown, Pa.; first vice-president, Thomas J. Kempton, Baychester, New York; second vice-president, Roy H. Caverly of Lowell, Mass.; secretary, B. S. Noyes of Brookline, Mass.; and treasurer, Robert Bottomly of New Canaan, Conn.

A new set of by-laws was adopted and it was voted to incorporate under New Jersey laws.

THE RECEPTION AND DANCE.

Wednesday evening was the Gardeners' and Florists' Club's night. They wanted to entertain their friends from far and near and they certainly did it in glorious manner. Paul Revere Hall was a scene of rare gaiety and the merry dancers kept it up until midnight. In an adjoining hall a substantial buffet lunch, splendidly served, was in operation during the entire evening. Among the guests who joined the throng were the visitors from England and members of the craft from almost every part of the American continent and they all agreed that the Boston ladies certainly did look good to them.

Previous to the dancing a reception was held, the officers and working members and their ladies being in the receiving line with President Peter Miller. Thomas Pegler, chairman of the arrangements committee and his associates had worked hard for the success of this affair and sincere congratulations are in order for the perfection of details which characterized every feature. Between the dances there were songs, fancy dances and recitations on the stage by first-class

entertainers. The orchestra and caterer did their part splendidly.

An especially pleasing feature of the evening was the arrival of Mayor Fitzgerald while the festivities were in full swing and the young ladies were given an opportunity to shake the hand of the man who has had the courage to undertake to insure cleanly words and acts on the stage, so far as Boston is concerned.

LADIES' S. A. F.

The Ladies' S. A. F. and guests had a good time throughout. On Monday afternoon, a business meeting in the hall; Tuesday morning, auto rides through the park system; Wednesday, lunch on invitation of Mrs. B. F. Tracy, and theatre party; Thursday trolley ride through Concord and Lexington; Friday, a tea party by Mrs. W. H. Elliott.

NOTES.

C. H. Totty's carnation Wodenethe arrived in bad condition and was not staged.

W. A. Manda's shipment of plants to the National Flower Show filled five cars.

A comment heard on all sides: "How clean and orderly these halls are kept."

A. H. Hews & Co. furnished to all exhibitors free of charge all pots and saucers required for their exhibit.

A 60-foot box car was required to transport M. H. Walsh's trained Rambler roses from Woods Hole to Boston.

F. Dorner & Son's Company's carnation exhibit did not arrive until Wednesday morning, too late for competition for prizes.

A sweet pea novelty which attracted much attention was Mrs. James Wheeler, a cross of Zvolanek Orange with Gladys Unwin, exhibited by A. Zvolanek.

The American Carnation Society silver medal was won by Peter Fisher, with Benora, variegated white and pink. The gold medal was not awarded.

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**Arbor Vitaes, Hemlocks, Pines, Retinosporas,
Sciadopitys, Spruces, etc., etc.**

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Lily of the Valley, Spiraes, Dahlias, etc.

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Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and
Arboriculture.

"When I took the train at Rochester to come here for but a few hours, that tells you how much I think of this show." "The true way is to enjoy life as you go along, and not have so many irons in the fire that you can't do it."—W. C. Barry.

W. W. Edgar exhibited quite a few novelties in azaleas, amongst them being Souvenir Wm. Edgar, Mme. August Haerens, Winfried Haerens, Haerens Loraine, Easter Greetings and Lady Roosevelt. These are all ready for the trade with the exception of Lady Roosevelt, which will be in the market in about two years.

The sweet pea exhibits staged on Tuesday were the finest ever made in this country or probably any other at this season of the year. William Sim displayed great breadth and taste in the arrangement of his flowers. A. C. Zvolanek's improved varieties were endless in number and attracted much attention from the sweet pea votaries.

In the exhibit of A. Leuthy & Co. were the following azalea novelties from Haerens & Co.: A B C, deep pink, midwinter variety; President Taft, pink, similar in color to Vander Cruysen; A. Leuthy, magenta, double; unnamed seedling, white double, late-forcing, free bloomer; Azalea Indica Vuylsteckiana, crimson single, effective by electric light, midwinter variety.

"Nothing but Roses"

Spring List ready, 200 old and new
sorts, 2½ and 4-in. on own roots.

THE LEEDLE FLORAL COMPANY
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The Shatemuc Rose

Our new Seedling from Rosa multiflora
nana Double flowers in full clusters on
long sprays.

Delicate Peach blossom color.

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Whole Field Clumps—At \$5.00 per 100 and up. 1000 in 10 distinct kinds either Show, Decorative, or Cactus our selection or kinds for \$40.00 cash.

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DAHLIAS Every Day in the Year

A wave of cheapness is now sweeping over the lily bulb business. A multitude of firms are soliciting orders who, in their misconception of the first principles of a successful lily bulb business, are fighting one another to see who can get to the bottom of the pricelist. You will not find us traveling that way—we are fighting for a better quality continually, and the cost is a secondary consideration. The main thing is that the quality shall be worthy of the cost and its the everlasting driving for better bulbs that keeps us busy. A grower can well afford to pay a fair price for lily bulbs of sure good quality and he can be more sure of Horseshoe Brand Giganteum than any other brand produced.

Write for Prices.



Ralph M. Ward & Co.

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NEW YORK CITY

Seed Trade

Balfour, N. D.—Orlo Nichols has opened a seed store here.

Denver, Colo.—Barteldes Seed Co., capital stock \$300,000. Incorporators, F. W. Barteldes, Max Wilhelmi and Janet Urhlaub.

Brattleboro, Vt.—C. S. Hopkins has added a cut flower department to his seed business at his greenhouses on Western avenue.

Paw Paw, Mich.—The Wolverine Co-operative Nursery Co., G. E. Prater, Jr., proprietor, has opened a seed department which will be in charge of W. A. Prater.

PHILADELPHIA NOTES.

This letter is mis-headed, to some extent, because your scribe has been at the great show in Boston, along with the leading lights of this city helping to bring up the tail end of the procession; therefore, he has been unable to keep track of the births, deaths, marriages and other important happenings of the week in our great city. For which lack sincere apologies—and trusts no worthy lady has had the bad luck to drop her egg basket on the way to market—while he was not there to chronicle the important event.

There were some doubts in spots as to whether the Boston brethren could handle this great national event—but the consensus of opinion now on every hand is, that they have not only done so but have set the pace for the world in this direction up-to-date—and that the great Temple shows, the magnificent Manchester exhibitions, and other events of which the horticultural trade everywhere is fond of bragging as red-letter events in history—that to these there is another red-letter epoch-making event added. One could walk through the show in a day, of course, but not to see all. Next day things overlooked the first day would appeal; and the same the third and fourth and succeeding days.

The Walsh rose exhibit in itself was worth going a thousand miles to see. Beautifully arranged with walks between so that every specimen could be examined. Roland's English Rose Garden was also a center of attraction and we all stood in amaze at the blaze of gold in the center of the big hall where the great Roland acacia exhibit was placed and where the genius of John and James Farquhar had planned and carried out their great Dutch Garden. But, of course, we are not reporting the show—this has been fully covered by others—we are only returning thanks to Boston and admiring the new jewel in her brilliant diadem.

Visitors: F. G. Berger and Mrs. Berger, Baltimore, Md.; Mr. Forbes, Portland, Ore.; S. McClements, of Randolph & McClements, Pittsburgh, Pa.; D. G. Grillebortzer, Alexandria, Va.

NEWS NOTES.

Sheridan, Wyo.—H. A. Loucks has been appointed park superintendent here to succeed the late Fred Friebe.

New London, Iowa.—C. E. Bailey has rented the place recently occupied by John Fye and will continue to operate the greenhouses.

RELIABLE SEEDS, SOW NOW

	6 tr. pkts.	Tr. Oz. pkt.		6 tr. pkts.	Tr. Oz. pkt.
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ALYSSUM, Zangen's			SALVIA, Fireball.....	3.00	.50
Carpet Queen.....	1.25	\$5.00 .25	SALVIA, King of Scarlets...	2.50	6.00 .50
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BEGONIA, Bedding			Flowering, Cecily Mixed	2.50	.35
Queen, Real Pink....	2.50	.50	SMILAX.....per lb.	\$3.00	.30 .10
BEGONIA Gracilis			STOCKS, Prince Bismark, white.....	2.50	.50
Luminosa.....	2.50	.50	STOCKS, Pink Column..	3.00	.50
CENTAUREA Candidissima	1.00	.20	STOCKS, White Column..	3.00	.50
LOBELIA, Hamburgia			STOCKS, Lavender		
Trailing.....	1.25	.25	Column.....	3.00	.50
LOBELIA, Crystal Palace Compacta.....		2.00 .25	TORENIA, The Nymph..	1.25	.25
MIGNONETTE, Bismark, for pots.....	1.00	.20	VERBENA, Mammoth, Blue, Pink, Purple, Scarlet, Striped, White, each.....	1.50	.25
PETUNIA, Single California Giants.....	2.50	.50	VERBENA, Mammoth Mixed.....	1.25	.20
PETUNIA, Zangen's Ruffled and Fringed					
Double Giants.....	5.00	1.00			

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An Improved Form of the beautiful Scarlet Barborton Daisy, originating with A. Jaeneke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.

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March, 23, 1911.

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Lonsdale, \$15.00 per 100, \$140.00 per
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Of Interest to Retail Florists

Philadelphia, Pa.—The store of N. D. Gachor on 16th below Chestnut street, has been closed.

San Francisco, Cal.—The new quarters of Pelicano, Rossi & Co., 123 Kerney street, will be ready about April 1st.

Montreal, P. Q., Can.—The stores and dwellings at 795 to 801 St. Catherine street have been purchased by P McKenna & Son.

New York, N. Y.—Woodrow & Marketos is the firm which has rented the store formerly occupied by August Millang at West 28th street.

Kalamazoo, Mich.—The store at 110 West Main street has been leased by

STEAMER DEPARTURES

Grampian, Boston-Glasgow..Apr. 6	Anchor.
St. Paul, N. Y.-S'hampton...Apr. 1	Caledonia, N. Y.-Glasgow....Apr. 1
New York, N. Y.-S'hampton...Apr. 8	Furnessia, N. Y.-Glasgow....Apr. 8
Atlantic Transport.	Cunard.
Minneapolis, N. Y.-London...Apr. 1	Mauretania, N. Y.-Liverpool..Apr. 5
Minnetonka, N. Y.-London...Apr. 8	Hamburg American.
	Pres. Lincoln, N. Y.-Hamb'g..Apr. 1
	Amerika, N. Y.-Hamburg....Apr. 8
	Hamburg, N. Y.-Mediterr'n..Apr. 11
	Holland-American.
	Noordam, N. Y.-Rotterdam...Apr. 4
	Statendam, N. Y.-Rotterdam..Apr. 11
	Leyland.
	Cestrian, Boston-Liverpool...Apr. 5
	North German Lloyd.
	Berlin, N. Y.-Mediterranean..Apr. 1
	F. Der Grosse, N. Y.-Medit'n..Apr. 8
	K'p'z Wilhelm, N. Y.-Brem'n..Apr. 11
	Red Star.
	Vaderland, N. Y.-Antwerp...Apr. 1
	Kroonland, N. Y.-Antwerp...Apr. 8
	White Star.
	Cedric, N. Y.-Liverpool....Apr. 1
	St. Paul, N. Y.-S'hampton...Apr. 1
	Laurentic, N. Y.-Liverpool...Apr. 8
	New York, N. Y.-S'hampton...Apr. 8
	Canopic, Boston-Mediterr'n..Apr. 8
	Cymric, Boston-Liverpool...Apr. 11

H. A. Fisher Co., who expect to move in as soon as the remodeling is completed.

New York, N. Y.—The Massas Floral Co. has leased the store and basement at 25 48th avenue for a term of ten years at an aggregate rental of \$18,000.

Indianapolis, Ind.—Gustave C. Lange, florist, 2226 South Meridian street, was awarded \$25 in his suit against Charles Kuerner whose cattle destroyed some of Lange's flowers last fall. The amount asked was \$500.

Troy, N. Y.—Claiming that the granting of licenses to peddlers of flowers on the street interferes with their legitimate business a delegation of florists called at the Mayor's office March 23rd and entered a protest.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York
Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardspier.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The
FLORIST
DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE Florists' Supply House of America

Anything you need in the line of Florists' Supplies we can furnish. Send to us. Catalogue on request.

H. BAYERSDORFER & CO., 1129 ARCH STREET PHILADELPHIA, PA.

CHICAGO NOTES.

Chas. Maier, 3223 Armitage avenue, is ill with pneumonia.

Henry Ilg of Winnetka, Ill., will build a store and extend his greenhouses this spring.

A Weisenberger, formerly gardener for J. Ogden Armour, has accepted a similar position with E. V. Price of Highland Park, Ill.

E. V. Price has bought a private place at Highland Park, Ill., and will build a fine residence and large conservatories this spring.

The advertisement of Bassett & Washburn in last week's issue should

Established 1871.

JOHN V. PHILLIPS FLORIST

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked

1164-66 Greene Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.

read 2½ instead of 2-in. pot plants. Their new number after April 1st will be 131 N. Wabash avenue.

J. A. Budlong is rapidly getting the new quarters in shape. A light office and a private office and a large new refrigerator are completed and every foot of the extensive floor space will be arranged to the best advantage to handle the trade when the move is made April 1st.

Mr. and Mrs. E. E. Pieser have returned from a two weeks' stay at West Baden, Ind., where they had hoped the baths would benefit them both. Mrs. Pieser not improving they returned earlier than expected. G. H. Pieser is also again ill and unable to continue his position as bookkeeper at Kennicott's.

Participants in the British Horticultural Trades American trip were given a cordial welcome when they reached Chicago, March 24th. They were met at the Polk street depot by representatives of the Horticultural Society of Chicago and the Chicago Florists' Club, who took them to the Sherman Hotel for breakfast and rest. The party consisted of J. S. Brunton of the Horticultural Trade Journal, J. Brown, E. Barker, W. A. Cull, C. Engelmann, J. S. Gunn, L. M. Graves, G. Prickett, C. Pratley, S. South and J. Simpson. An auto trip gave the visitors a glimpse of the parks and their conservatories, the one at Garfield Park especially calling forth their praise for its size and beauty. The Chicago Florists' Club tendered the visitors a dinner at the Union Restaurant, the club's regular meeting place, and in interesting speeches followed. On Saturday the party went to Morton Grove where the extensive plant of the Poehlmann Bros. Co. was inspected.

NEW FLOWER STORES.

Milwaukee, Wis.—Eiger Bros.
Harrisburg, Pa.—F. E. Ridenour, 317 Walnut street.
Brattleboro, Vt.—C. S. Hopkins, Western avenue.
Grand Rapids, Mich.—M. Phillip, Gouget Building.
Chicago, Ill.—Stollery & Moore, 4627 Evanston avenue.
Oakland, Cal.—Charles Armstrong, 23 Telegraph avenue.
Loda, Ill.—Swan Peterson Floral Co., Lolman Building.
Philadelphia, Pa.—Samuel B. Bell, 3740 Germantown avenue.
Chicago, Ill.—The Butler Floral Co., 31st street and Cottage Grove avenue.

PERSONAL.

Joseph Wors is now in the employ of C. Young & Sons Co., St. Louis, Mo.

The business of the late John H. Trentman, Delphos, Ohio, is now in the charge of his son, Walter Trentman.

A. Herrington has completed his contract at Greystone, Yonkers, N. Y., and will now resume his landscape practice.

John Emsbach, formerly with the Elitch-Long Greenhouses has accepted a position with the Park Floral Co., Denver, Colo.

Frank Griffel, La Crosse, Wis., and Miss Caroline Johnson, were united in marriage March 13th. Mr. Griffel is with the Salzer Seed Co.

INCORPORATED.

Grand Forks, N. D.—North Dakota Nursery Co., to deal in trees, plants, etc.

Newark, N. J.—Magnolia Floral Co., capital stock \$25,000; to engage in wholesale and retail business.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

Cut Lilies for Easter

\$12.00—\$15.00 per 100

Clean foliage, taller than most Lilies you see about. Tell us how many you can use. We can fill all orders for *Easter Lilies*.

Pink and White Killarney—Maryland—Richmond

Our supply will be large of the usual high standard

You can depend on us, as we have the facilities for doing a large holiday business. Our price list will tell you more about our supply for Easter. Send for it.

THE LEO NIESSEN CO., Wholesale Florists 1209 Arch St., Philadelphia, Pa.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted

Merchants Bank Building
28 STATE STREET - - BOSTON
Telephone, Main 58.

In ordering goods please add "I saw it in HORTICULTURE."

WILLIAM F. KASTING CO.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO Mar. 28	TWIN CITIES Mar. 28	PHILA. Mar. 28	BOSTON Mar. 30
Ara. Beauty, Fancy and Special..	40.00 to 50.00	40.00 to 50.00	50.00 to 60.00	50.00 to 75.00
" Extra	30.00 to 40.00	30.00 to 40.00	25.00 to 35.00	30.00 to 40.00
" No. 1	20.00 to 30.00	20.00 to 30.00	12.50 to 14.00	15.00 to 25.00
" Lower grades	5.00 to 15.00	10.00 to 20.00	5.00 to 8.00	6.00 to 8.00
Bride, Maid, F. & S.	6.00 to 8.00	6.00 to 8.00	6.00 to 10.00	6.00 to 8.00
" Lower grades	2.00 to 4.00	4.00 to 6.00	3.00 to 5.00	1.00 to 3.00
Richmond, Chateaux, Fancy & Special	8.00 to 10.00	6.00 to 8.00	12.50 to 15.00	6.00 to 10.00
" Lower grades	6.00 to 8.00	6.00 to 8.00	3.00 to 8.00	1.00 to 5.00
Killarney, My Maryland, Fan, & Spl.	8.00 to 10.00	8.00 to 10.00	15.00 to 20.00	6.00 to 8.00
" Low grades	2.00 to 5.00	6.00 to 8.00	3.00 to 8.00	1.00 to 3.00
CARNATIONS, First Quality..	2.00 to 3.00	3.00 to 4.00	2.50 to 3.00	2.00 to 3.00
" Ordinary	1.00 to 1.50	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	35.00 to 50.00	60.00 to 75.00	40.00 to 50.00	30.00 to 40.00
Lilies, Longiflorum	8.00 to 10.00	10.00 to 13.00	12.50 to 15.00	6.00 to 8.00
Lily of the valley	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	1.00 to 3.00
Violets	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Mignonette	3.00 to 5.00	4.00 to 5.00	3.00 to 4.00	2.00 to 6.00
Lilac, per bunch	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Tulips	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 3.00
Roman Hyacinths, Paper Whites ..	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.00 to 1.50
Daffodils	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.00 to 1.50
Freesia	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Daisies	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Snapdragon	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Sweet Peas	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Gardenias	40.00 to 50.00	20.00 to 30.00	20.00 to 30.00	20.00 to 30.00
Adiantum	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00	10.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00
" & Spen. (100 bchs)	25.00 to 40.00	25.00 to 40.00	35.00 to 50.00	35.00 to 50.00

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. ALWAYS GOOD FRESH STOCK

On the list of guarantors of the National Flower Show, Mr. Theodore Wirth's name appears in the schedule. Credit should be given, not to Mr. Wirth personally, but to the Minnesota State Florists' Association, of

which Mr. Wirth is president. The Minnesota State Florists' Association, wishing to show its interest in the affair of the National Association, was among the first to subscribe to the guarantee fund.



MELODY

Best Rose Introduction of the Season. A Rose to Grow for Profit
Awarded 86 Points and Silver Medal at National Flower Show, Boston.

OWN ROOT PLANTS: 2½ INCH POTS

Each	Doz.	25	50	100	250	1000
\$0.75	\$6.00	\$10.00	\$17.50	\$30.00	\$70.00	\$250.00

S. S. PENNOCK - MEEHAN CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Av.

Flower Market Reports

BOSTON The situation remains unchanged in commercial lines, although the big flower show has consumed a goodly share of the best product of the local growers. All sorts of stock can be had in any quantity and there are many cases of loss of stock from lack of any market. Yet we hear no complaining and Easter will soon be here.

Trade has been quite satisfactory the past two weeks, though high prices have been out of the question, a mixture of all kinds of weather having been had and with the abundance of stock received daily by the wholesalers, especially in the carnation line. There was a good supply of sweet peas, violets, lily of the valley, lilies and everything along the line and no orders go short of anything except long Beauties. The demand has been light on the Beauty, Richmond having taken its place in many instances. Carnot, Kaiserin and Ideal have been added to the rose line and some choice stock is had. Bon Silene and Perle have sold well throughout the season and at times not enough could be had. Callas have moved well also magnificum and gigantum lilies. Bulbous material in good supply.

CHICAGO The inevitable has arrived in the Chicago market. For weeks stock has been off crop for various reasons and now with the coming of spring weather, everything with the exception of Beauties comes on at once. Roses are again plentiful to an extent undesirable and carnations have made a long start downward when the sales are footed up. Only the fanciest reds are sold for three cents and on Saturday prices were so low for good medium carnations as to be unquotable. There does not seem to be so much an abnormal supply of flowers as that the demand has suddenly fallen off and stock allowed to accumulate because of a lack of buyers. Asparagus strings are in short supply and common ferns are bringing from three to three fifty per thousand.

Business is satisfactory as far as volume is concerned but prices are exceedingly low. Long-stemmed Beauties are the only flowers that are on the short side of the market. Short stemmed ones are fairly plentiful and of poor quality. There

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Mar. 28	DETROIT Mar. 28	BUFFALO Mar. 28	PITTSBURGH Mar. 28
Am. Beauty, Fan, and Sp.	12.00 to 20.00	25.00 to 35.00	30.00 to 35.00	40.00 to 50.00
" Extra	8.00 to 10.00	20.00 to 25.00	15.00 to 20.00	20.00 to 30.00
" No. 1	4.00 to 6.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
" Lower grades .....	..... to 3.00	3.00 to 12.00	3.00 to 5.00	..... to 6.00
Bride, 'Maid, F. & S.	4.00 to 6.00	6.00 to 8.00	..... to 10.00	8.00 to 10.00
" Low. gr.	2.00 to 3.00	3.00 to 5.00	5.00 to 8.00	4.00 to 6.00
Richmond, Chateau, Fancy & Special	4.00 to 6.00	6.00 to 8.00	10.00 to 12.00	8.00 to 12.00
" Lower Grades	2.00 to 3.00	3.00 to 5.00	5.00 to 8.00	4.00 to 6.00
Killarney, My Maryland, Fan. & Spl.	4.00 to 6.00	6.00 to 8.00	8.00 to 10.00	8.00 to 12.00
" Low. Grades	2.00 to 3.00	3.00 to 5.00	5.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality .....	..... to 2.00	2.00 to 3.00	2.50 to 3.00	..... to 3.00
" Ordinary .....	..... to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	35.00 to 50.00	..... to	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum	10.00 to 12.00	12.50 to	10.00 to 12.00	6.00 to 10.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets .....	.35 to .50	.50 to .75	.40 to .50	.35 to .50
Mignonette .....	..... to 10.00	3.00 to 6.00	9.00 to 4.00	6.00 to 8.00
Lilac, per bunch .....	..... to .50	..... to .....	..... to	1.00 to 1.25
Tulips	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00	2.00 to 4.00
Roman Hyacinths, Paper Whites ..	..... to 3.00	3.00 to	3.00 to 3.00	..... to
Daffodils .....	..... to 2.00	3.00 to	3.00 to 3.00	3.00 to 3.00
Freesia .....	..... to .....	..... to .....	..... to .....	..... to
Daisies .....	..... to .50	.50 to 1.00	1.00 to 1.50	1.00 to 1.50
Snapdragon	8.00 to 12.00	3.00 to 6.00	5.00 to 7.00	6.00 to 8.00
Sweet Peas .....	..... to .50	.50 to 1.00	.50 to 1.00	.35 to 1.00
Gardenias .....	..... to .....	..... to	25.00 to 40.00	30.00 to 40.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	12.00 to 15.00	12.50 to 15.00	15.00 to	12.50 to 15.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	20.00 to 30.00	50.00 to 60.00	50.00 to 60.00
" " & Spreng. (100 bchs.)	25.00 to 35.00	20.00 to 30.00	35.00 to 50.00	30.00 to 60.00

is an over abundant supply of other roses and the quality is equal to anything the market has seen this season. Indications are that the rose crop will be on the wane right before Easter unless weather conditions change so as to retard crops. Carnations are in heavy supply. Saturday was general cleaning up day as far as carnations were concerned and several spring openings helped to relieve the market of its surplus bulbous stock. Single violets are on the down grade and double violets are more than sufficient for requirements. Good smilax is on the short side. Other greens are in good supply.

NEW YORK The situation in the flower market this week is precisely the same as indicated in report of last week. All varieties and grades of flowers are in heavier supply than is required to satisfy legitimate demand and the "bargain counter man" has things his own way, mostly.

PHILADELPHIA Fairly active trading ruled in this market the past week. Some stocks were in over-supply and very low prices were realized; but the general average kept up to normal. Bulbous stock such as paper whites and daffodils were the

most affected in the tumble—southern daffodils especially. It is too early for the good varieties of these, and the poor ones will not sell; the greenhouse stock of such choice sorts as Emperor, etc., have the call every time. Tulips are about over and Roman hyacinths are also on the wane. Good roses and carnations were the most active stocks on the list, and the clean-up at the end of the week was of a most satisfactory character—better if anything than the week before. The market ought to be crazy for American Beauty roses when it is considered how few are coming in, but it isn't. Prices have eased up while the meagre receipts continue. Killarney is the best among the pink roses at present. There are some exceptionally nice lots of new crop Kaiserin coming in and finding excellent demand. Lots of cattleyas, and demand for same fair. Lily of the valley, violets, lilac, Easter lilies, sweet peas, daisies—all fine and beautiful. The smilax scarcity is not so pronounced. Good plumosus still on the short list, and in active demand.

Detroit.—A rather depressed tone prevails in both the wholesale and retail circles. Wholesale prices, which had been steady for several weeks past, took a decided drop.

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
47 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
or quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756 Madison Square New York

B. S. SLINN, JR.
Wholesale Florist
55 & 57 W. 26th St., New York
Tel 3864 Madison Sq.

AUGUST MILLANG
WHOLESALE FLORIST
41 West Twenty-Eighth Street
NEW YORK
Phones 3860-3816 Madison Square

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2821 Madison Square Open from 5 a. m. to 8 p. m.

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST CROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Mar. 25 1911		First Half of Week beginning Mar. 27 1911	
American Beauty, Fancy and Special.....	35.00	to 50.00	35.00	to 50.00
" " Extra.....	30.00	to 30.00	20.00	to 30.00
" " No. 1.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Field, Extra and Special.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaux, Extra and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killarney, My Maryland, Extra and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Carnations, First Quality.....	1.50	to 3.00	1.50	to 3.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

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Telephones { 1665 } Madison Square CONSIGNMENTS SOLICITED

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Frank H. Traendly Charles Schenck
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Splendid New Rose Hilda, American Beauty, My Maryland, Carnations, Violets

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10,000... \$1.75; 50,000... \$7.50. Sample free. For sale by dealers

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Fresh Cut Evergreens, Mosses. Southern Smilax, Galax and Leucothoe. Preserved and Fresh Cut Cycas and Palmetto.

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Mar. 25 1910		First Half of Week beginning Mar. 27 1911	
Jettiesas.....	23.00	to 40.00	25.00	to 40.00
Lilies, Longiflorum.....	5.00	to 6.00	5.00	to 6.00
" Lancifolium.....	6.00	to 8.00	6.00	to 8.00
Lily of the valley.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.15	to .30	.15	to .30
Mignonette.....	2.00	to 5.00	2.00	to 5.00
Lilac, per bunch.....	.00	to .75	.50	to .75
Tulips.....	1.00	to 3.00	1.00	to 3.00
Roman Hyacinths Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snapdragon.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas (per 100 bunches).....	2.00	to 8.00	2.00	to 8.00
Gardenias.....	15.00	to 35.00	15.00	to 35.00
Adiantum.....	75	to 1.25	75	to 1.25
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Spreu (100 bchs).....	5.00	to 25.00	15.00	to 25.00

Decorative Material

50-lb. cases of Smilax, only \$5.00.



Tel. Office, New Salem, Mass.
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CROWL FERN CO., - - Millington, Mass.

FANCY AND DAGGER FERNS, \$1.50 per 1000.

GALAX, bronze or green, 75c per 1000.

SPHAGNUM MOSS, 12-bbl. bale., \$4.00 per bale.

Use our LAUREL FESTOONING FOR DECORATIONS, 4c, 5c and 6c per yard. Made fresh daily from the woods.

LAUREL BRANCHES, large bunch for only 35c.

10,000 LBS. BOXWOOD, \$15.00 per 100 lbs.



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WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

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WILLIAM H. KUEBLER

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Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

B. J. Dysart, 28 State St., Boston.
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AGERATUMS

Ageratum Stella Gurney, 2½ 1.75, 3½ \$5.00; very bushy rooted cuttings 50c per 100. C. H. Jacobs, Westfield, Mass.

Ageratum, 3 inch, \$4.00 per 100; \$35.00 per 1000. Rooted cuttings, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS

Alternanthera, strong fall struck R. C., 60c per 100. Keeney's Greenhouses, Monongahela, Pa.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$8.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

Ampelopsis Veitchii. Fine 2-year plants, transplanted when 1 year old. No. 1 selected, 2½ to 4 ft., strong tops, \$6.00 per 100. No. 2, fine plants, 2 to 3 ft. tops, \$4.00 per 100; \$30.00 per 1000. Fine 1-year, 2 to 3 ft. tops, \$3.00 per 100; \$25.00 per 1000; 50 by mail for \$2.00. Chas. Black, Hightstown, N. J.

AQUATICS

Wm. Tricker, Arlington, N. J.
Water Lilies.

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Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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Asparagus Sprengeri, strong, thrifty, 2½ and 3-in., 3c and 4c. Cash.
John F. Flood, Montvale, Mass.

Asparagus plumosus, from bench, strong, healthy plants, for 3½ in. pots, \$5.00 per 100; 2½ in. pots, \$3.00. Sprengeri, from bench, for 3½ in. pots, \$3.00 per 100. Cash.
W. B. Bowen, Florist, Whitman, Mass.

ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.
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James Vick's Sons, Rochester, N. Y.
High Grade Asters.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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BAMBOO STAKES

Yokohama Nursery Co., New York, N. Y.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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A. N. Pierson, Inc., Cromwell, Conn.
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Bedding Stock, Dreer's double giant mixed Petunias, mixed Coleus, Kathleen Mallard Lobelia, Snapdragons, German Ivy, Cuphea, Buchner, Hill, Castellane and Doyle Geranium, 2 in., \$2.00, 100; \$18.00, 1000. R. C. Coleus, Lobelia, Antirrhinum, 70c, 100; Sweet Peas to transplant, 40c, 100; English Ivy cuttings, \$1.00, 100; 3 in. Rose Ger., 6c. Carnations R. C. Lawson, Union, Harlowarden, \$2.75, 100. Cash. Port Allegany Greenhouses, Port Allegany, Pa.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeaschell Bros. Co., 406 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Henry A. Dreer, Inc., Philadelphia, Pa.
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Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Fottler, Flske, Rawson Co., Boston, Mass. Begonias, Gloxinias.
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E. S. Miller, Wading River, N. Y.
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Gt. Van Waveren & Kruijff, Sassenheim, Holland.
Bulbs, Spireas, Dahlias, etc.
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CACTI

CACTI—Over 100 varieties of cacti, from \$7 per 100 up. Write for 28-page catalogue and ask for prices to the trade. Also Mexican Resurrection plants. The Francis E. Lester Company, Dept. 10, Mesilla Park, N. M.

CANNAS

Wood Bros., Fishkill, N. Y.
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CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass. Superior Carnation Staple.
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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galeburg, Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J. Carnation White House.
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F. Dörner & Sons Co., Lafayette, Ind. Two New Carnations.
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S. J. Reuter & Son, Inc., Westerly, B. I.
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Poehlmann Bros., Morton Grove, Ill.
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Peter Fisher, Ellis, Mass. Carnation "Benora."

Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

3000 Carnation Splendor, 2½ inch pots, \$20.00 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

Carnation James Whitcomb Riley (Lawson seedling), the best yellow, \$6.00 per 100. Bertermann Bros. Co., Indianapolis, Ind.

New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

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CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Elmer D. Smith, Adrian, Mich.
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A. N. Pierson, Inc., Cromwell, Conn.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 60c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums: rooted cuttings. Robert Halliday, Golden Glow, Ivory, Minnie Bailey, J. Jones, Rosiere, Polly Rose. \$10.00 per 1000. Cash please. Hilpert & Hammen, Relair Road, Baltimore, Md.

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

CLEMATIS

Clematis paniculata, strong 3-year, \$1.00 per 10, \$7.50 per 100, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100.

F. A. Baller, Bloomington, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

A. N. Pierson, Inc., Cromwell, Conn.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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10 varieties Coleus, mixed R. C., 50c per 100. Keeney's Greenhouses, Monongahela, Pa.

Coleus, yellow, red and variegated, 2-in., heavy, \$2.00 per 100.
Wagner Park Conservatories, Sidney, Ohio.

CONIFERS.

Eastern Nurseries, Jamaica Plain, Mass.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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OUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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Gt. Van Waveren & Kruijff, Sassenheim, Holland.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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45,000 field-grown clumps, 2c and up. List ready. H. W. Koerner, Sta. B., Milwaukee, Wis.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Export, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS—Continued

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

Dahlia Bulbs for retail trade, \$3 per 100, \$25 per 1000. Each bulb labeled with name, variety and color; 100 lots will contain 5 each of 20 varieties, including Cactus, Show, Decorative, etc.

C. Peirce, Dighton, Mass.

500,000 dahlias, Souvenir de Gustave Doazon, Grand Duke Alexis, Arabella, A. D. Livoni, Ruby Queen, Pearl, Ethel and others. Write for list and prices. Chas. H. Weiss and Sons, Portsmouth, Va., R. F. D. 2.

DAISIES

Giant double Daisies, mixed, \$2.50 per 1000; 100 prepaid, 40c. Chas. Frost, Kenilworth, N. J.

Marguerites, white. Nice 2½-in. stock, ready for 4-in., \$3.00 per 100

Wm. Eschrich Co., North Milwaukee, Wis.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Charles Millang, New York, N. Y.

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Easter Plant Novelties.

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Anton Schultheis, College Point, N. Y.
Flowering and Foliage Plants.

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Robert Craig Co., Philadelphia, Pa.

Easter Stock.

George A. Kuhl, Pekin, Ill.

Easter Stock.

Henry A. Dreer, Philadelphia, Pa.

Decorative Plants for Easter.

W. W. Edgar Co., Waverley, Mass.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Eastern Nurseries, Jamaica Plain, Mass.
Broad-Leaved Evergreens.

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Large Evergreens.

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FERNS

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H. H. Barrows & Son, Whitman, Mass.
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Frank Oeschlin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Thomas Roland, Nahant, Mass.

Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N.J.

FERTILIZERS

Stearns Lime Co., Danbury, Conn.
Ground Limestone.

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.

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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

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N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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William W. Lewis, Boston, Mass.
Self-Watering Flower Pot.

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NOVELTIES**"REAL NOVELTIES AND
NOVEL REALITIES."
In Hardy Plants.**

The biggest collection offered anywhere is found in our NOVELTY CATALOGUE just out.

Of great interest to the amateur and commercial grower alike.

It describes and illustrates uncommon plants of singular beauty, desirability and simplicity of growth; inexpensive to acquire.

Resides; our low prices, plants are big, making them valuable, in small or large quantities.

Mailed along with our illustrated whole-sale catalogue of Hardy Perennials, etc., on receipt of three 2c. stamps, which pays postage only, and which amount is credited on first order.

PALISADES NURSERIES, INC.,

SPARKILL, N. Y.

Imperative to mention this paper.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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W. & T. Smith Co., Geneva, N. Y.
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Boblink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, Inc.,
West Newbury, Mass.
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Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grower Stock.
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Eastern Nurseries, Jamaica Plain, Mass.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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Daniel A. Clarke, Fliskeville, R. I.
Ornamental Trees, Shrubs, Vines, Etc.
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August Rolker & Sons, New York, N. Y.
Importers for Florists and Nurserymen.
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Harrison's Nurseries, Berlin, Md.

F. W. Kelsey Nursery Co., New York, N. Y.
"Everything Worth Planting."

**TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS**
Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$3.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SEED

Schilder Bros., Chillicothe, Ohio.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilder Bros., Chillicothe, Ohio.
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S. D. Woodruff & Sons, New York, N. Y.
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Choice, sound, unsprouted onion sets.
Yellow, \$1.20; red, \$1.25; white, \$1.60 per
32 lb. bushel. Sacks included. Sluis Seed
Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
Orchid Specialties and Easter Stock.
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PALMS

A. Leuthy & Co., Perkins St. Nurseries,
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John Scott, Brooklyn, N. Y.
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Joseph Heacock, Wyncote, Pa.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordenez Bros., Madison, N. J. Box 106.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
Orchid Importations.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection
Julius Roehrs Co., Rutherford, N. J.

**Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards**
Eaath, England. "White" Cattleyas and
Choice Cypripediums are leading features

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. **Lord &
Rarnham Co., 1133 Broadway, N. Y.**

PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25,
post paid. **F. M. Soar, Little River, Fla.**

PANSIES

The Kenilworth strain of Giant Pansies,
\$3.50 per 1000; 100 prepaid, 50c. **Chas.
Frost, Kenilworth, N. J.**

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PELARGONIUMS

Pelargoniums. Surplus stock, large and
fine, ready for shift; Mrs. Loyal, \$4.00 per
100; Surprise, Mad. Vibert, Linda, \$5.00
per 100. **A. D. Root, Wooster, Ohio.**

PEONIES

PEONIES—1200 sorts, an enormous stock.
List ready. **C. Betscher, Canal Dover, O.**

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. **J. C. Schmidt,**
Bristol, Pa.

Petunias, Dreer's double fringed, large
flowering, in bud and bloom, 3½-in., 4c.
Cash. **Twin City Greenhouses, Basil, Ohio.**

Double Fringed Petunias, strong rooted
cuttings, now ready, \$1.00 per 100. **Keeney's**
Greenhouses, Monongahela, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. **Nathan**
B. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises.
H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Wm. F. Kasting, New York, N. Y.

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

American Woodware Mfg. Co., Toledo,
Ohio.

Plant and Tree Tubs, also Jardineros.

Forster-Mansfield Mfg. Co., New York, N. Y.
Mission Tubs, Window Boxes, Columns,
Pergolas, Etc.

PIPE AND FITTINGS

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.

PIPE AND FITTINGS. Cast iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. **Lord & Burn-**
ham, 1133 Broadway, N. Y.

POTASH

German Kall Works, Baltimore, Md.

POT HANGERS

Pot hangers, **Kramer's \$1 doz. by exp.,**
\$1.25 by mail. **I. N. Kramer & Sons, Cedar**
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants, 2½ in.
\$2.00 per 100; 300 for \$5.00. **J. C. Schmidt,**
Bristol, Pa.

PRIVET

Emil Wohler, Narberth, Pa.
California Privet.
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CALIFORNIA PRIVET.

Fine, well-rooted, well-graded, 2-year
stock, 12 to 18 in., branched, \$1.25 per 100;
\$8.00 per 1000; 18 to 24 in., 3 or more
branches, \$1.50 per 100, \$10.00 per 1000;
2 to 3 ft., 4 or more branches, fine, \$2.00
per 100, \$15.00 per 1000; 2½ to 3 ft., 6 or
more branches, strong, \$3.00 per 100, \$25.00
per 1000; 3 to 4 ft., 8 or more branches,
extra selected, \$4.00 per 100; \$35.00 per
1000. Only strong branches counted in
grading. Special low rates on car lots.
All packed to carry safely, free of charge.
Chas. Black, Hightstown, N. J.

California privet, 3 to 5 branches, 12 to
18 in., \$7.00 per 1000; 18 to 24 in., \$9.00
per 1000; 2 to 3 ft., \$12.00 per 1000. 5 to
8 branches, 18 to 24 in., \$12.00 per 1000;
2 to 2½ ft., \$15.00 per 1000; 2½ to 3 ft.,
\$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000;
8 to 12 in., for lining out, \$4.00 per 1000.
F. O. B. Cash with order. 250 at 1000
rate. **Southside Nurseries, Chester, Va.**

200,000 California Privet, all sizes at price
of 1 year. 10,000 *Ampelopsis Veitchii* and
Clematis paniculata, heavy, 1 and 2 year
old, field-grown vines, 2 to 3 feet, and 3 to
4 feet, at 4 and 9 cents. List free. **Benjamin**
Connell, Florist, Merchantville, N. J.

50,000 2-year California privet, cut back
once and well branched, 1 to 2 ft., \$12.00
per 1000; 2 to 3 ft., \$15.00 per 1000.
Chas. L. Smith, Penns Grove, N. J.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.
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RESURRECTION PLANTS

RESURRECTION PLANTS—We are
strictly headquarters for the Mexican
resurrection plant, and ship all over the
world. Dormant plants, guaranteed to
"resurrect," \$2 per 100, delivered; \$10 per
1,000; 5,000 at \$8.50; 10,000 at \$8; 1,000
weigh about 45 pounds. Also cacti. The
Francis E. Lester Company, Dept. 9,
Mesilla Park, N. M.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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P. Ouwerkerk, Hoboken, N. J.
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Boblink & Atkins, Rutherford, N. J.
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Wertheimer Bros., New York, N. Y.
Sprinkle-Proof Ribbon and Sprinkle-Proof
Chiffons.

In writing to Advertisers kindly mention Horticulture

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Dark Pink Killarney Rose.
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- Bassett & Washburn, Chicago, Ill.
Grafted Rose Plants.
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- Wm. Tricker, Arlington, N. J.
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- Waban Rose Conservatories, Natick, Mass.
Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIA

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- Miami Valley Seed Co., New Carlisle, Ohio.
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- S. D. Woodruff & Sons, New York, N. Y.
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SEEDS

- ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.
- PETER MACK, ORLANDO, FLA.
- T. J. Grey Co., 32 So. Market St., Boston.
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- Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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- W. Atlee Burpee & Co., Philadelphia.
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- Arthur T. Boddington, New York.
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All Leading Varieties of Seeds.
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- C. H. Gardiner, South Pasadena, Calif.
Asparagus Plumosus Seed.

SPHAGNUM MOSS

- J. H. Sprague, Barnegat, N. J.
Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Currell, Summit, N. J.
- Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPIREA

- Spiraea Gladstonii in bud; nice plants, \$4.00 per dozen. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPRAYER

- Chas. J. Jager Co., Boston, Mass.

STRAWBERRY PLANTS

- "Dewdrop," ever bearing, largest in the world, color rich crimson, no green tips, combines flavor of pineapple and wild strawberry, unexcelled shipping qualities. Free circular. H. F. Dew, Albion, Mich.
- Wilfrid Wheeler, Concord, Mass.

SWEET PEAS

- Arthur T. Boddington, New York, N. Y.
Boddington's Sweet Peas.
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- Henry F. Michell Co., Philadelphia, Pa.
"Distinctive" Sweet Peas.
- W. Atlee Burpee Co., Philadelphia, Pa.
"Spencer" Sweet Peas.

TREE RENOVATION

- John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

- Asparagus Conover's and Mammoth White at 75c per 100, \$5.00 per 1000.
Wagner Park Conservatories, Sidney, Ohio.

VENTILATING APPARATUS

- Foley Mfg. Co., Chicago.
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- The Advance Co., Richmond, Ind.
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- VENTILATING MACHINERY, New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

- Vinca variegata rooted cuttings, \$1.00 per 100; \$8.00 per 1000. Orders booked for delivery at any time. Russell Bros., R. R. 4, Syracuse, N. Y.
- Vinca variegata rooted cuttings, 75c. per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VIOLETS

- For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gilmet, Moylan, Del. Co., Pa.

WIREWORK

- Reed & Keller, 122 W. 25th St., N. Y.
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- Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
- William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPLICKS

- W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

- Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

**WHOLESALE FLORISTS
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OUR VISITORS.

(Lines by J. K. M. L. Farquhar, Boston.)

They come from the South, the West, the North,

They come from across the sea;
Our gardens are famed, and the marvelous worth
Of our flowers they come to see.

They come to the Hub, the Garden Hub,
The rarest of flowers have we;
New treasures from China, in herb, and shrub,
In creeper, and vine, and tree.

The Lawson Pink and Enchantress fair
Brought to Peter Fisher fame;
Montgomery, Dawson and Walsh all wear
The Rose's rich diadem.

They are Boston men—we laud them well—
And others have gone before,
Like Wilder, Hovey and Hinnewell,
And at least a dozen more.

Our Garden Saints! Do I speak too strong?
For I worship at their shrine.
They have done the work that brings this throng,
And, like them, may I do mine.

SOME OF W. R. SMITH'S SAYINGS AT THE NATIONAL FLOWER SHOW.

"When the Chorizema was first discovered some travelers in Australia had not tasted water for a week. Famished, they came across this plant and water at the same time and place, and they called the plant Chorizema, which signifies 'to dance with joy.'"

"I am fond of 'people's plants'; whatever is for the people is my delight; things not exclusively for the rich!"

"Ficus pandurata. I had the President of the United States, Mrs. Taft, Mr. and Mrs. Carnegie all shovel in a little dirt around one of these plants, and it is growing grandly in the new Pan-American Building in Washington. I had an idea it might be the original of the Scotch costume. Four of these leaves would make a Scotch costume, but unfortunately, it only grows in the tropics."

"This exhibition is the most extraordinary that ever occurred in this country, and it is the grandest Peace Convention ever held. How superior it is to the drum and life bringing crowds around! This means peace, sets people to thinking in peaceful thought, and much of the credit is due to the rose. You have done more for the rose than any other State."

"One of the things I want to see is azaleas grown in America, instead of being imported, but skilled labor is too high here."

"It isn't one thing, but everything that is here, and everything is grand. I am astonished. You had a grand one here 20 years ago, and I said then as I say now, the Bostonians are the most wonderful people on the face of the earth. New York may get ahead on something to eat, and so might Pittsburgh on iron statues, but the aesthetic soul of Boston is wonderful."

"I am great for reciprocity. I have sympathy and love for everyone who loves the beautiful. The only part of mankind that will be and ought to be preserved, is the aesthetic."

"The severest scolding I ever received was administered by Mrs. Jeff Davis, who told me she never measured beauty by the square yard, when I showed her a stem of hollyhocks."

"This show is being handled with an amount of brain power that is unique, that is calculated to lift up the whole human family into a higher condition."

"This is my religion. I believe that the soul of man is lifted up by the beautiful. Mr. Hoar said in a speech he made here, that the individual who didn't believe in God and the providence of God, and the nation who didn't believe in it, was a failure. France is a failure today, because of the infidelity of her people. There is no man or woman who should not be sunk to the lowest Hell if they do not appreciate and love the beautiful."

"Boston is a most wonderful, soul-elevating agency. Its environments,

guided as they are by such men as Sargent and Pettigrew, leave an impression on every visitor that ever comes here. I said in a speech 15 years ago in St. Louis, that the progressive improvement of the aesthetic culture of the Society of American Florists' members was due to the peculiar people living in Boston. Everything must be elegant and excellent; nothing but the best for Bostonians."

"Any person that doesn't appreciate this display is not fit to go to Heaven. There will be no place there for such."

"The acacia waves her yellow hair,
Lonely and sweet,
Nor loved the less
For flowering in a wilderness."

"I was in the middle of the house devoted to acacias when Robert Buist came to visit Kew Gardens. I washed my hands, and went in to have an interview with him. I said: 'I understand you are an American, and I have had an idea of going to America.' He answered me: 'We want no kid-glove gardeners in America.' I never forgot that rebuke. The next time I saw him was 15 years later in his own store in Philadelphia. He again said: 'I told you we wanted no kid-glove gardeners in America.' I told him he had no right to assume that I was such a gardener, and the meeting ended with Mr. Buist's securing for me the privilege of going to Washington."

HAIL STORM IN PENNSYLVANIA.

Old Boreas took advantage of your correspondent's being in Boston last week, and started in to cut up and blow our old town off the map. He struck the statue of William Penn with lightning; sent a hailstorm around one section of the city; and a "churn" cyclone in another. Holmesburg, Frankford, Germantown, Manayunk were in the special sweep of the latter, but while the blow was fierce enough to unroof houses; blow trolley cars off the track and cripple the great Pennsylvania Railroad by blowing down its block signal system and holding up Commodore Westcott six hours between Cornwalls and Holmesburg—the greenhous men (so far as heard from) seem to have escaped much damage. R. Jamison of Germantown had a slight loss—probably five or six boxes of glass broken—but up to this writing (March 29th), no others are reported. All this occurred on the evening of March 27th, while your scribe was busy picking up shaken down crockery in his state room—during the gale, Fall River to New York.

In the Chester Co. "carnation belt," tributary to Philadelphia, the following sufferers are reported: Walter McCoy, 300 panes, and hundreds of plants; Isaac Passmore, damage to glass, \$300; Howard Pyle, badly damaged; Chas. Sheller, badly damaged; Joseph Kift, 3,000 panes, and much damage to Easter stock; Percy Barnard, 600 panes; Geo. Love, 300 panes. All this was from hail, of course, and not from the cyclone. We expect the glass market will have a little revival. It needs it. Ed. Flood says they are giving glass away just now.

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HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. National Labor Exchange, 918 Walnut St., Phila., Pa. HENRY C. PRICE

WANTED AT ONCE

An experienced and reliable foreman for Nursery. State particulars, salary wanted, references, etc.

SOUTHWORTH BROS.,
Beverly, Mass.

WANTED—A young nurseryman of some practical experience in general nursery and landscape business. State age, experience, with references, and salary to begin. Chas. R. Fish & Co., Worcester, Mass.

WANTED—Man with general knowledge of ornamental nursery stock, landscape planting, etc. Address N. D. Pierce, Norwood, R. I.

MAN with some experience in landscape or ornamental gardening; able to sell goods. Excellent opportunities to advance. "P. D." care HORTICULTURE.

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FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE OR TO RENT—Florist place in growing Connecticut town, in full running; for sale with stock, etc.; own water supply; near two large cemeteries, several villages around where no florist is; good chance for young man; 3,000 feet of glass, boiler room, potting shed, etc. For particulars, write J. S. W., care HORTICULTURE.

GREENHOUSE to take down, about 65 x 20 ft., 16 x 20 in. lights, 1 lean-to house of sash 60 x 15 ft.; also about 50 good 3 x 6 ft. sash; 1 No. 4 Doric, about 1500 feet pipe and 3000 flower pots, all sizes. D. Robinson's Sons, Revere Beach Parkway, Everett, Mass.

FOR SALE OR RENT—Flower business, established 16 years, doing a good business; best of reasons for selling. M. & E. SCHONBURG, 1132 Mt. Hope Ave., Rochester, N. Y.

Greenhouse property near Boston; 12,000 feet of glass, dwelling house, barn and 8 acres land. G. B., care of HORTICULTURE

OBITUARY.

Amasa T. Hoyt.

Amasa T. Hoyt, for fifty years a florist in Warren, Ohio, died March 19th. He was born in Painesville, May 12, 1841; he is survived by a widow.

Thomas T. Connors.

Thomas T. Connors of Pittsfield, Mass., died on March 28th and was buried on Thursday, March 30th. He had been gardener and superintendent for some forty years on the estate of Mrs. W. Pollock in Pittsfield, and was universally loved and respected.

Charles Barnard.

Charles Barnard died at his residence in Earl Marlborough township, Pa., March 17th of pneumonia. He was in his 82nd year. He became prominent in this section during the past score of years for raising white onions. He leaves a widow and several children.

David Mundell.

David Mundell, for many years employed as florist at the Hospital for the Insane, Indianapolis, Ind., passed away at his home in Glenwood recently. He was about fifty years of age. He was an expert in the line of gardening and was well known among florists all over the state.

SITUATIONS WANTED

GARDENER—private estate. Understands gardening under glass and outside. Good experience, reliable, sober, good worker. Best references. "B. T.," care HORTICULTURE.

SITUATION WANTED by first class florist at once. 20 years' experience with general greenhouse stock. Married, reliable, well recommended and hard worker. Address O. K., care HORTICULTURE.

HEAD GARDENER, thirty-nine, life experience Britain and America. Manage gentlemen's private estate, construction lawns, roads, etc.; all branches of gardening. A. A., care HORTICULTURE.

FOREMAN in commercial greenhouse, 15 years' experience here and abroad, specialized in cucumbers, tomatoes, carnations. Steady, reliable, good references. "C. T.," care HORTICULTURE.

GARDENER—Married, no children, 24 years' experience in mums, carnations, roses, fruits and vegetables, wishes position as gardener on estate or commercial. Address, A. E. 277 Concord St., So. Framingham, Mass.

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Usual effective strength, one to thirty-two.

Single gallons, \$1.50. In barrels, \$1.00

EASTERN CHEMICAL COMPANY
PITTSBURG STREET, BOSTON

During Recess

New York Bowlers.

Every Friday evening, the Ardsley Hotel, corner of 32nd street and 4th avenue, will be the bowling headquarters of the New York Florist Club for the balance of the season. After Easter the club will bowl Madison, Astoria and Rutherford. The team will be selected from the five highest averages during April and May. Scores last week:

Chadwick	175	202	166	164
Scott	156	128	136	165
Feurich	129	159	129	121
Nugent	89	96	98	98
Irwin	152	174	146	194

Chicago Bowlers.

At last week's session scores were recorded as follows:

CARNATIONS.				ORCHIDS.			
1	2	3		1	2	3	
Ayer...	189	137	145	Huebner.	195	157	167
Wint's'n	147	196	167	Graff...	159	137	159
Goerisch	118	120	126	Farley...	175	168	158
Schultz.	115	137	133	Degnam...	158	143	168
A. Zeck.	156	144	206	Kraus...	149	165	168
VIOLETS.				ROSES.			
1	2	3		1	2	3	
Sch'm'n.	106	135	107	Katzel...	120	120	116
Fr'dm'n.	171	163	139	Meyers.	157	171	164
Lusson..	105	130	141	Schl'm'n	151	95	143
Wengil..	148	132	146	Fisher...	194	157	156
Lorman.	181	151	123	Wolf....	156	167	163

The annual banquet of the New Bedford (Mass.) Horticultural Society took place the evening of March 22nd in the dining room of the Parker House, New Bedford. Sixty or seventy members of the society attended and at the conclusion of the dinner, speeches were made by Gideon H. Allen, W. H. B. Remington, secretary of the Board of Trade; Senator Ross and others. During the dinner selections were rendered by Wade & Tablas' orchestra. The entertainment committee included James Garthley, James McVickar and George H. Reynolds.

*green Flies and
Black ones too*

are easy to kill with **The Fumigating Kind**
TOBACCO POWDER \$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee
THE H. A. STOOFF CO. MOUNT VERNON, N. Y.

Aphine

Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale and all soft bodied insects, without the slightest injury to the tenderest flower or foliage.

An excellent cleanser for decorative stock. You can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

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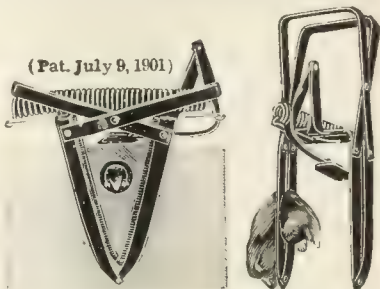
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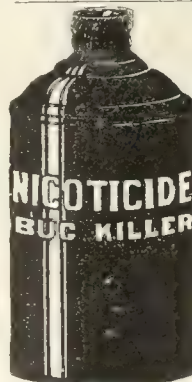
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 25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
 50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.50
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Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
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Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.
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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

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GREENHOUSES BUILDING OR CON- TEMPLATED.

Sayre, Pa.—J. B. Knapp, addition.
Morris, Ill.—Morris Floral Co., one house.
Milwaukee, Wis.—Richard Leitz, one house.
Pittsfield, Mass.—Mrs. H. E. Foot, one house.
Philadelphia, Pa.—Frank Saunders, one house.
La Grange, Ill.—R. O. Lommatzsch, two houses.
Delavan, Wis.—Will Moore, house 16 x 40 feet.
Frankfort, Ind.—Martha J. Carr & Son, addition.
Middletown, N. Y.—Edward A. Lorentz, addition.
Indianapolis, Ind.—Pahud Floral Co., 144 x 170 feet.
Portland, Me.—Portland Park System, one house.
Chicago, Ill.—H. C. Blewitt, one sweet pea house.
East Providence, R. I.—Smith Berker, house 36 x 100 feet.
Flourtown, Pa.—George E. Campbell, house 34 x 186 feet.
Detroit, Mich.—Louis Charvat, three houses each 20 x 95 feet.
Bridgewater, Mass.—Bridgewater Normal School, one house.
Danville, Pa.—Castle Grove Greenhouses, house 20 x 300 feet.
Detroit, Mich.—Louis Charvott, three new houses and a new store.
Grand Island, Neb.—Edward Williams, addition of 15,000 feet.
Waynesboro, Pa.—Henry Eicholz, two carnation houses each 35 x 150 feet.
Woburn, Mass.—Everett E. Cummings, three violet houses each 40 x 150 feet.
Morrison, Ill.—R. R. Davis Co., house 18 x 150 feet for potted plants; another house contemplated in the summer.

FIRE RECORD.

Mason City, Iowa—The Gilbertson Nursery Co. was damaged by fire on March 15th to the extent of \$10,000. It is thought the fire originated from an Iowa Central engine.

West Hartford, Conn.—Fire in Coombs Bros.' Greenhouses on March 25th entirely destroyed the boiler house and parts of four greenhouses, causing a loss estimated at \$1,000; no insurance.

Trenton, N. J.—Four greenhouses of Goeller Bros. with their stock of Easter plants were destroyed by fire on March 17th. Loss about \$3,000, building partially covered by insurance. The fire was caused by the blowing down of the boiler house stack which crashed through one of the buildings, sparks igniting the wood work.

NEWS NOTES.

Mansfield, Ohio—M. Schulte will engage here in the greenhouse business with his son-in-law, Charles A. Dow.

Wooster, Ohio.—Prof. Charles E. Thorne is now sole owner of the Thorne Greenhouses. Lee Drabenstott will remain in charge.

Kenosha, Wis.—The greenhouse and dwelling of Lewis Turner were badly damaged by the powder mill explosion at Pleasant Prairie on March 9th.

Great Barrington, Mass.—The Green River Nursery Co. is a new business about to start here on a farm of 130 acres. Wm. Barth is the proprietor.

Mt. Vernon, Ill.—The Reinlein Greenhouse was wrecked by the wind storm of March 7th, which wrecked a number of other buildings in this locality.

Roswell, N. Mex.—The Roswell Nursery Co. is planting several acres on East 2nd street. This addition was necessary as the limit of the old nursery had been reached.

The "LOU DILLON" Tandem Garden Cultivator



It can be set to stir the soil any depth desired and to cultivate astride the row or between the rows.

One-third quicker and easier than any other garden cultivator, easier to push than a lawn mower. No gardener can afford to be without one.

If your local dealer does not handle them, write to us for descriptive catalog and special introductory price.

The Schaible Mfg. Co.
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IRON PIPE

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Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

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See the Point **PEERLESS**

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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DREER'S

Florist Specialty—
New Brand New Style.
Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

¾-inch, per ft., 15 c.

Reel of 500 ft., " 24 ½ c.

2 Reels, 1000 ft., " 24 c.

¾-inch, " 13 c.

Reels, 500 ft., " 12 ½ c.

Couplings furnished.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
159 2 ¼ " " " 5.25	120 7 " " " 4.20
1500 2 ½ " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 ½ " " " 5.80	
500 4 " " " 4.50	
450 4 ½ " " " 5.24	
320 5 " " " 4.51	
210 5 ½ " " " 3.78	
	HAND MADE
	48 9 in. pots in crate \$3.60
	48 10 " " " 4.80
	24 11 " " " 3.60
	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

HILLFINGER BROS., Pottery, Fort Edward, N.Y.
August Reiker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY FOR OUR

Florist' Red Pots

is prepared by passing through a screen 600 meshes to the square inch. If in a hurry for pots, order from us.

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STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

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Send your business direct to Washington. Saves time and insures better service. Personal attention guaranteed. Twenty-five years' active service. SPECIALTY: "Working on the Failures of Others."

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LOUISIANA RED CYPRESS GREENHOUSE MATERIAL

STEEL GUTTERS, TRUSSES,
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Greenhouse and Hot Bed

SIZES OUR SPECIALTY
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Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
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PARSHELSKY BROS., Inc.
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CYPRESS SASH BARS
32 feet or longer
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ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

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Send us that rush
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specialty of them.
Get acquainted with
our goods. Every
user has found in
our line an excellent
friend.

Write today.
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RICHMOND, IND.

GREENHOUSE CONSTRUCTION LUMBER

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sq. ft. of glass. For particulars address
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THEY SUIT THE MOST DISCRIMINATING
AND THOSE WHO HAVE THEM ALWAYS
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ASK THE MAN WHO HAS ONE
THEY ARE TRULY ECONOMICAL—YOU
CAN BUILD THEM YOURSELF WITH THE
COMPLETE PLANS AND DETAILS WE
FURNISH, AND THE DIFFERENCE IN COST
FOR THE MATERIAL BETWEEN THEM
AND INFERIOR HOUSES IS A SMALL PART
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WHY NOT HAVE THE BEST?

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NOW IS THE TIME TO BUY

FRENCH OR AMERICAN GREENHOUSE GLASS

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Are Leaders in

GREENHOUSE GLASS

OUR PRICES WILL PROVE THIS.

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261 to 287 A Street

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GREENHOUSE CONSTRUCTION

HEATING and VENTILATING
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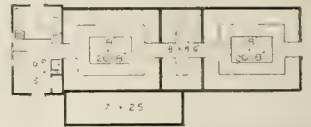
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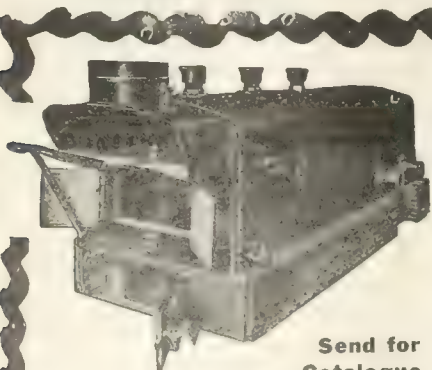
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HORTICULTURE

Vol. XIII.

APRIL 8, 1911

No. 14

CONRADY
NEW YORK
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GARDEN



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At National Flower Show, Boston

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Seasonable Notes on Culture of Florists' Stock

CARNATIONS

Now that spring is with us carnations will need uninterrupted attention in all details, such as disbudding, frequent mulching, soil, having the ventilators wide open during warm days, and if possible, a bit of air during the night even if you have to keep your fires up during some belated cold spell. Give regular and copious waterings at the roots and a good syringing every bright morning after the flowers are cut, so as to hold red spider in check, and also attend to regular fumigation. Where you have the frame room it is a good practice to give the young stock a week or so in the frame before they go outside, for it often happens that we get a cold and wet period after they are planted out in the field. When stock is hardened off in frames they will stand without injury any such visitation. See that your ground is given a dressing of stable manure and plowed in, before planting, also a good application of wood ash and bone.

CARE OF ORCHIDS

Give *Cypripedium insigne* a place where they can be kept cool. A house with a northern aspect is the best place—one that can be well ventilated according to the condition of the weather outside. Water should be applied to the roots whenever the compost appears dry, and the plants syringed overhead at least once a day in bright weather. Where you have not a north house a cold frame, after May 20, will make an excellent place. They make a stockier and better growth than when kept in a house where they are always a considerable distance from the glass. The many forms of *dendrobiums* will soon finish flowering, at which time any rebasketing or repotting should be done. Some plants probably will not require to be disturbed, but will be benefited by a surface dressing of equal parts of sphagnum moss and fern. Give them a place in some warm house where a little shade can be given, and keep up an abundance of moisture from now on. Attend carefully to ventilation so as to admit a gentle circulation of fresh air. *Dendrobiums* that are just starting into growth will need very careful watering, but as the growing season advances they will take frequent applications.

CYCLAMEN

Seedlings of this plant that are still in flats should have attention in the way of potting. Use either 2½ or 3-inch pots, give them a compost of two parts fibrous loam, leaf mould two parts, with rotted cow manure one part, and add some sand to make it porous. Pass the whole through a screen. After they have been potted give them an average night temperature of from 52 to 56 degrees and from 65 to 70 degrees in the daytime. Never keep the plants in a close air, or they will become drawn and weak. Give all the air possible, avoiding cold drafts. *Cyclamen* succeeds best where extremes of temperature are avoided. Shift whenever the pots are fairly well filled with roots as they are liable to suffer from getting potbound. Let the plants dry out fairly well before watering; this will keep the soil sweet. The sun is now getting strong so a light shade is necessary, but don't make it too dense. Space the plants about every two weeks, always giving them plenty of room. Give them

a spray every day once or twice and fumigate once a week faithfully.

GLADIOLUS

Now is the time to plant out a batch of gladioli. This can be repeated until the end of June for a succession. By planting the bulbs at an interval of about two weeks you can secure a long season of these fine flowers. Any ground that was well-manured last fall will do as they are not exacting in their demands as to soil. Plant where they will be exposed to full sun in rows sufficiently wide to make cultivation easy. For large corms plant 2 or 3 inches apart in the rows and about 4 or 5 inches deep. During limited rainfall they should be watered at intervals quite profusely. Give them a mulch in very hot weather so as to keep the soil cool.

PEONIES

Herbaceous peonies have so greatly improved of late years that now they are indispensable for spring and summer flowering. Now is a good time to make beds or borders. In order to have peonies that will produce flowers of good size and color the soil should be trenched to the depth of 18 to 24 inches and plenty of cow manure incorporated through it. When planting in the field with the intention of digging up the clumps and dividing for sale they should be planted 2½ or 3 feet apart both ways, but when planting for cut flowers leave them at least four feet apart each way, covering the crowns with 3 or 4 inches of soil. If you are dividing old clumps for new plantations leave 4 or 5 good eyes, and they will soon regain a firm hold in their new quarters and by fall will be nice clumps. Old plantations yielding good crops of flowers annually should have a good top-dressing of manure and this forked into the soil. If the weather becomes dry while the buds are forming and the flowers coloring they should have a liberal supply of water. By the end of this month give them an application of some quick working fertilizer; it will materially improve both stem and bloom. I think for this purpose dried blood or nitrate of soda are good.

TUBEROUS-ROOTED BEGONIAS

Tubers that are not already started for bedding purposes had better be as soon as possible. They do well in partial shade. To start them place about an inch of sand and leaf mold in equal parts on the bottom of a flat and on this place the tubers about half an inch apart and then cover them over with about an inch of the compost. Give them a place in a house where they can have some bottom heat and atmospheric temperature of from 65 to 70 degrees. In two or three weeks when the young leaves show they will have made a fine lot of roots and will then be ready for 4 or 5-inch pots. A good compost is three parts good loam, one part well-rotted cow manure, and enough of sand to make the whole porous. When the roots have taken a fresh hold in their pots they will want a cooler temperature, say about 60 degrees. They will now grow fast and will have to be shaded slightly from the sun in the middle of the day. If you have a mild hot bed you can plunge the pots in it and by the middle of May the glass can be removed which will harden them to weather and sun. Seedlings that are just touching one another should be potted into 2-inch pots and grown on.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Amorals*; *Bougainvilleas*; *Primulas*; *Ramblers* for Next Easter; *Staphyleas*; *Swainsona*.

HORTICULTURE

VOL. XIII

APRIL 8, 1911

NO. 14

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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A late
season

The lateness of the present season will greatly curtail spring planting operations. Both seedsmen and nurserymen have lost already, through inclemency of the weather, at least two weeks of the usual time available to them for Spring business. It is safe to say that the volume of business in both lines will be greatly diminished; in fact, some dealers estimate the loss already sustained at something like one-fifth of the season's output. The trade generally is resigned to the conviction that there will not be time now in which to make up the loss already sustained.

With flying
colors

The National Flower Show of 1911 has now passed into history. In all probability years will elapse before the distinction of being "the greatest horticultural exhibition ever undertaken in the western hemisphere, if not in the world," is wrested from it,—to quote from our editorial columns of March 11. In that foreword we made bold to state that the success of the great show was already assured—a three-fold success

with a prospective attendance far surpassing that of any previous Flower Show. Events have shown that our estimate was well founded. While figures are not yet available, it is generally understood that financially, as otherwise, success has crowned the efforts of the earnest workers for this great enterprise. It has done an incalculable amount of good for Boston and the horticultural region of which Boston is the centre of activity, and not only Boston but the entire country has experienced a great uplift in the example and the lessons of this epoch-marking event in American horticulture.

The showman's
place

More than once during show week we heard the remark, "What would we have done here without Campbell?" It was certainly a master-stroke when the Board of Control decided to put this quiet, shrewd man at the helm. Repeatedly since HORTICULTURE came into existence these editorial columns have urged upon those interested in flower exhibitions to call to their aid men naturally adapted and trained in dealing with the public, experienced in the art of exciting public interest and inducing the people to loosen their purse strings. In the present instance Mr. Campbell was unquestionably the ideal man for the great responsibility. Every community wherever a flower show may be contemplated has its Campbell, and had he been put to work when needed many a show would have been saved from disaster and its promoters from discouragement and humiliation. We have always maintained that one of the most potent causes for the financial failure which is proverbially attendant upon flower shows is the unfitness of the average florist and gardener for box office management. His business it is to produce the goods and display them properly. Here he is supreme. But his qualifications there reach their limit and for the rest of the work he will do well to call in the showman everytime.

A prime
attraction

Another point conclusively demonstrated at the National Flower Show was the eager interest taken by the public in the displays of floral arrangements staged on Tuesday and Friday, and here again we are tempted to say, "We told you so." True, there was nothing extraordinary in evidence, and, with perhaps one exception, nothing showing any departure from the floral work seen daily in any good flower shop, but, nevertheless, this feature was a most potent drawing card, and, if we were disposed to criticise, we should say that much more room might have been advantageously given here for the sight-seers to pass and repass about these exhibits. The interest manifested in this section proves beyond a doubt that the minor position given to these exemplifications of the uses of flowers in our public show schedules is a great mistake. Four years ago we expressed our views on this subject thus:

"Almost without exception our exhibitions are conducted from the standpoint of the culturist. To the expert they are profoundly interesting and instructive, but if the public purse is to be allured to the ticket office, something must be done to whet the interest and curiosity of the great majority to whom scales of points offer no inducements."

We most emphatically reassert the foregoing. It is further in evidence that those plant groupings into which had been injected some expression, such as Farquhar's Dutch garden and Roland's rose garden, and some others, were among the features coming in for the largest amount of public interest. Mark it down as proven that no flower show can reach its full possibilities unless this feature of the application and use of flowers and plants is given prominence.

Fruits and Vegetables Under Glass

POT VINES

Pot vines will now be swelling fast and will require plenty of feeding. A change of manure is better than using one continually. If surface roots are showing, add another rim of loam around the top of the pot and lightly cover the roots in the center with finely disintegrated loam, adding some approved manure. See the plants do not suffer at any time for water. Keep the leaves in which pots are plunged properly watered as roots are sure to be running through them. Dampen the floors, etc., continually or red spider and thrips will make their presence known. Give all air possible in bright weather and keep a temperature of 80 degrees to 85 degrees while sun is shining. Close down to one inch as sun declines and endeavor to keep as much sun heat as possible. Pinch at one leaf any sub laterals which may appear beyond the bunch.

WATERING POT FRUIT TREES

Fruit trees growing in pots require special attention as any dryness at the roots may prove fatal, the other extreme being also very detrimental. Later on when the hot weather commences a whole lot of trees can be watered at one time but, up to then, each pot is better examined individually two or three times daily by using a watering can. Other stimulants, etc., are better applied in the water, for if they are left on the surface of the pot for any length of time before watering in they are sure to deteriorate. Drop a little into the can each time and allow the water to run on to it, which will help it to dissolve. See that enough water is given each time to thoroughly saturate the whole ball.

CUCUMBERS

Cucumbers can be grown successfully in cold frames through the summer months. These are usually left vacant after the bedding stock has been removed. If not in stock already, seed should be secured in readiness. Improved Telegraph, Everyday, and Rochford's Market fruit well in cold frames and are to be preferred to field-grown varieties. The mounds of soil will necessarily have to be larger than when planted on a bench as you cannot top-dress them so easily. Continue to top-dress any fruiting plants as soon as the roots show through the surface. This keeps the roots continually moving as they are ever ready to come to any fresh food. Cut away any old and overcrowded foliage and fill in with young growths. Keep down fly by periodical fumigations and syringe briskly to prevent red spider.

TOMATOES

Tomatoes which were planted out at the beginning of the year to furnish a supply through the spring, will now be in full crop. If grown to limit of stake or trellis it will be necessary to stop them and get the last trusses set. Plants showing any signs of weakness must be fed but it is not advisable to get tomato plants too strong until a good crop is set. A feeding once a week will be beneficial to plants which have several trusses partly developed. Dampen the floors three or four times daily in bright weather, but omit it should the weather be wet or dull as this would only encourage black spot. White fly is the most troublesome pest to rid tomatoes of. Cyanide of potassium has proved to be the most sure death to this winged enemy and has been used regularly without injury to the plants. See that the house is not above normal temperature; it is safer to drop it three or four degrees for the occasion.

EARLY VEGETABLES

Early vegetables should now be hardened off ready to

be transferred to the open ground as soon as the weather is considered safe. Many plants receive a severe check when planted out through not being hardened off beforehand, which may ruin them or put them back several weeks. Provision should be made to protect them for a while after planting should the night turn cold. Branches of evergreen if kept handy are easily laid on them and will often break a cold wind or keep off a light frost. Do not let stock become pot-bound. This is especially applicable to cauliflowers, as they usually "button" in after it, that is just turn in a very small head instead of growing to their proper size.

Cabbage, cauliflowers, artichokes, onions, peppers, tomatoes, etc., should all be kept growing and if necessary given another shift so as to keep the roots in good action. Celery will be valuable for flavoring purposes in the kitchen during the early summer, and will be better transferred from flats to a frame and given more room. Peas and beans should be grown with the lights off them during the day. This will keep them hardy and give plenty of root action. Lettuce growing on hot beds should have surface soil continually cultivated. Younger stock in flats are better kept close to the glass. Make a sowing of Brussels sprouts to come on in advance of the main crop.

George H. Benson

A Word of Thanks from British Visitors

New York, April 4, 1911.

Editor HORTICULTURE:

Sir:—Permit us to express through your columns a word of thanks to the florists of the United States. We arrived on the Lusitania March 17th—we depart tomorrow on the Mauretania. Our tour of the United States, embracing New York, Philadelphia, Baltimore, Washington, Richmond (Ind.), Chicago, Niagara and Boston has been one grand triumphal procession. All along the line, florists and florists' clubs have entertained us with genial and generous hospitality, affording us the maximum of pleasure and instruction, with the minimum of trouble and expense.

We came to the United States with the desire to obtain "amusement and instruction hand in hand." American florists have provided both on a scale of magnitude impossible to describe. We recognize that horticulture in America is a great commercial proposition, run by men of grand brain power, and big hearts, full to the brim with the milk of human kindness. Before we leave we wish to say, "Thank you, thank you, thank you," to one and all. This is only a feebly worded expression, but it comes from the depths of our hearts, and within each recollections of American florists and their hospitality will always find a place.

Come over and see us at our International Horticultural Exhibition in London in May, 1912.

Yours sincerely,

J. S. BRUNTON,	J. BROWN,
E. BARKER,	W. A. CULL,
C. ENGELMANN,	L. M. GRAVES,
J. S. GUNN,	C. PRATLEY,
J. PRICKETT,	S. SOUTH,
J. SIMPSON.	

NATIONAL FLOWER SHOW

Concluding Days of the Exhibition at Boston — Additional Awards — Meetings of S. A. F., American Gladiolus Society and Florists' Telegraph Delivery

In our notes of last week we left the National Flower Show Thursday noon, with three more days to run, and several important meetings scheduled to fill in the time. But it was demonstrated again, as often before, that it is much easier to schedule meetings than it is to make them materialize, especially considering the business and social attractions of the many noted specialty establishments in and around the Hub, and their proprietors, whose latch-string was hanging out full length, not to mention the ceaseless fascination of the vast flower show itself, with its new exhibits continually coming in, its throngs of visitors and the inspiring music. So it was that, despite the efforts of president and secretary and volunteer whippers-in, no regular session of the S. A. F. materialized until Saturday forenoon. The Gladiolus Society fared rather better, for it managed to gather itself together on Thursday afternoon, as announced, and did some practical business, of which a synopsis appears further on.

THE SMOKER

It is perhaps hardly in good taste for us to say much about the "Smoker" on Thursday evening, for it was not a public affair in the sense that a society or club function would be, but just a little conspiracy of

a few of the Boston boys to give their visiting friends a good time—a free-and-easy jollification that they should in time to come recall as one of the bright memories of their Boston visit. It took place in the magnificent ball room of the Hotel Somerset, all the visiting florists were welcome and at the height of the fun fully five hundred were seated about round tables adorned with flowers and where refreshments were served all through the evening—a pot of Boston baked beans on each table being a special feature. There was vaudeville and lots of music and stentorian choruses and just a few brief congratulatory speeches by Manager Campbell, Messrs. F. R. Pierson, Robert Craig, J. K. M. L. Farquhar, Col. W. W. Castle, President Asmus and, as a climax, Mayor Fitzgerald, who in addition to a ringing speech aroused wild enthusiasm by singing his famous song, "Sweet Adeline." It was certainly a happy time, all work and worry forgotten in mirthful companionship—just such an occasion as we can imagine Longfellow might have had in mind when he wrote:

"And the night shall be filled with music,
And the cares that infest the day
Shall fold their tents like the Arabs,
And as silently steal away."

THE EXHIBITION

FRIDAY'S AWARDS.

Friday's schedule provided for a display of roses to cover 200 square feet of space, with prizes of \$250 or \$150 and \$100; a Retailers' arrangement of 100 roses with prizes of \$100 and \$50; an exhibit of carnations, \$100, \$75, \$50 and \$25; also table decoration, mantel decoration, hamper, basket and bride's or bridesmaid's bouquet all to be composed of carnations wholly or principally, and for all of which liberal prizes were provided. Following is a list of the awards as made on Friday:

Display of cut roses covering 200 square feet of space, and not to contain less than 200 blooms, quality of blooms and effect to be considered and decorative green of any kind, including plants, permitted. A. N. Pierson, first, with the finest group ever staged, his new introductions showing up splendidly in the collection, which contained over 2000 blooms; A. Farenwald, 2d; W. H. Elliott, 3rd.

Best and most artistic arrangement of 100 cut roses; any variety or varieties may be used, and with such accessories as the exhibitor may desire. Sidney Hoffman, 1st, with high-handled gold basket of Dark Pink Killarney; Ed. MacMulkin, 2nd, with handle basket of Killarney.

Exhibit of carnation blooms, covering 100 square feet of space. Carnation or other foliage may be used if so desired. Peirce Bros., 1st. The centerpiece was composed of a large basket of White Enchantress, and on either side were pink and deep rose carnations in baskets, depending from a tall framework, covered with Asparagus plumosus.

Table decoration, in which carnations are the principal flower used. Penn Bros., 1st,

with pink blooms; MacMulkin, 2nd, also with pink.

Mantel decoration, in which carnations are the principal flower used. Boston Cut Flower Co., 1st, with cerise carnations, ferns and palms; MacMulkin, 2nd, with pink and white, and 3rd with all scarlet carnations.

Hamper of carnations; other foliage permissible. MacMulkin, 1st, with pink blooms; Penn, 2nd, with crimson, and Hoffman, 3rd, with white.

Basket of carnations; other foliage permissible. Julius Zinn, 1st, with variegated carnations and own foliage, very fine; J. J. Casey, 2nd, with Beacon.

Bride's or Bridesmaid's Bouquet. Hoffman, 1st, with May Day carnations and Farleyense ferns; Zinn, 2nd, with white carnations and cuneatum; Penn, 3rd, with white carnations.

Silver cup, valued at \$30.00, offered by Hitchings & Co. as a Sweepstake Prize in Section A. Awarded to Cottage Gardens Co.

\$25.00 in gold offered by F. Dorner & Sons Co. for the best vase of 100 blooms Pink Delight. Won by S. J. Goddard.

A Gold Medal, value \$25.00, offered by Kroeschell Bros. for the largest 12 blooms of carnations, one or more varieties. Each bloom must measure not less than five inches. Won by Chas. S. Strout.

\$25.00 in gold offered by Jos. Heacock Co. for the best vase of 100 blooms Dorothy Gordon. Won by S. J. Goddard.

50 blooms Conquest (Chicago Carnation Co. prize), N. F. Comley, 2nd.

50 blooms Shasta (Baur & Smith prize), Patten & Co., 2nd.

50 blooms Scarlet Glow (Dorner prize), L. E. Small, 2nd.

50 blooms Dorothy Gordon (Heacock prize), Wm. Nicholson, 2nd.

50 blooms Alma Ward (Cottage Gardens prize), Patten & Co., 1st.

The silver cup offered by the Ladies' S. A. F. for table decoration was won by Sidney Hoffman with a table decoration which was one of the gems of the show. The centre was com-

posed of blooms of Azalea Mollis and the favors of the new Mrs. Wardell rose and Farleyense ferns. The blending of orange and yellow tints was exquisite.

Mr. Hoffman also won the first prize offered by the Gardeners' and Florists' Club of Boston for floral design, Penn being 2d and J. T. Butterworth 3rd.

John McFarland arranged a beautiful table decoration of gardenias, not for competition.

A large shower wreath of lily of the valley and orchids by J. T. Butterworth attracted much notice.

The judges for Friday's entries were W. J. Palmer, Joe Hill, J. Forbes, J. R. Frothingham and Emil Buettner.

According to vote of the Board of Control no Boston man served on any of the judging committees, throughout the show. The innovation appeared to be received with appreciative favor by the visitors.

TRADE EXHIBITION AWARDS.

The trade display, as has been previously reported, was the most extensive ever made, far exceeding the largest in the history of S. A. F. conventions. Best of all is the acknowledgment by the trade exhibitors generally that the volume of business captured was unexpectedly large and, so far as we have heard, not a single protest or complaint has been voiced by any exhibitor. The list of awards, in the trade section, outside of those

NATIONAL FLOWER SHOW



View in Carnation Section.



Thos. Roland's Acacia Group.



View in the Bulb Section.



Vista Through Plant Groups.



Robert Craig Co.'s Groups.



The Wauls Ramblers.

made to the exhibitors of plants is as follows:

Certificates of Merit.

Coldwell Lawn Mower Co., Newburgh, N. Y., lawn mower operated by gasoline engine; C. Keur & Sons, Hillegom, Holland, bulbs; Lord's Frost proof Plant Box Company, plant box; S. R. Church, J. Comer Jones, Mgr., Boston, Mass., and Seymour, Conn., gasoline engines and spraying machines; Revere Rubber Company (G. P. Whitmarsh), Chelsea, Mass., nozzles and couplings; Hitchings & Company, Elizabeth, N. J., ventilating machines; Wertheimer Brothers, New York, gold and silver edged chiffon, sprinkle-proof ribbon.

Honorable Mention.

Lord & Burnham Company, Irvington, N. Y., pipe hangers; Hitchings & Company, Elizabeth, N. J., water boiler; Revere Rubber Company, Chelsea, Mass., garden hose and spraying hose; Mrs. S. S. Sanborn, patent forms for table decorations; J. Jarn-dahl, rustic work; Eastern Nurseries, Jamaica Plain, Mass., collection of evergreens; O. Cusumano, Boston, Florentine terra cotta; Wilson Plant Oil & Fertilizer Co., New York, sprayers and tub carrier; Eastern Library & Supply Co. (MacMillan Co.), New York, works of Prof. L. H. Bailey; Pierson U-Bar Co., 1 Madison Ave., New York, greenhouse exhibit; Wertheimer Bros., New York, sprinkle-proof radium glass, grenadine and wire-edged sprinkle-proof ribbons, spun glass pins.

Highly Commended.

Schloss Bros., New York, woven Easter Greeting ribbon; Lord & Burnham Co., Irvington, N. Y., ventilating apparatus; Johnstone Heating Co., New York, tubular fire-box boiler; T. J. Grey Co., 32 South Market St., Boston, Mass., Detroit pruner; Weathered Company, Jersey City, N. J., greenhouse exhibit; Wait's Interlocking Steel Co., Newburgh, N. Y., steel exhibit.

The judges were J. F. Ammann, H. E. Philpott and Irwin C. Bertermann.

AMERICAN GLADIOLUS SOCIETY.

A special meeting of this young society was opened at 2 P. M. on Thursday, March 30, at Boston. President Hendrickson made a few preliminary remarks stating that the outlook for the success and usefulness of the organization seemed assured. He mentioned that a committee on diseases of the gladiolus had been appointed to work in conjunction with the respective State Experiment Stations. The minutes of the last meeting were read by Secretary Merton L. Gage and the report of Financial Secretary Youell followed. He stated that the membership had now reached 172. Membership and Bulletin-committees also reported. Treasurer Fuld's report followed, showing a balance of \$85.42. Various other committees were heard from and their reports variously discussed and accepted. On the report of the Exhibition Committee regarding the awarding of certificates and suggesting a scale of points to be used in awarding, a very interesting discussion ensued as to the comparative importance of size of bloom, form of flower, form of spike, stem length and stiffness, number of flowers on a stalk, vigor, etc., but the report was finally adopted.

A. Cowee, in speaking for the committee on diseases, expressed the hope that he would be able to get a State appropriation in New York of \$2000 for that committee's use. The president was instructed to appoint a nominating committee to choose candidates to be balloted for at the annual meeting next August.

Prof. Beal of Cornell gave some advice on the methods of conducting trial grounds and making records.

A letter was read from Prof. Craig, Cornell University, on food and soil and best methods of fertilizing.

A letter from a European grower was read by Mr. Cowee regarding the

grading of sizes of bulbs in quoting prices to European trade. After discussion it was voted that a committee be appointed to further consider and report on this question at the next meeting. It was voted to accept the recommendations of Mr. Cowee concerning the renaming of varieties and the disposition of synonyms; that the Bulletin Committee publish another Bulletin to be ready before the Baltimore meeting and that the society pay the expenses of Mr. Youell for his attendance at this meeting. A vote of thanks was tendered to Messrs. Youell and Gage for their work in preparing Bulletins No's 1 and 2.

Mr. J. Keur of C. Keur & Sons, Hillegom, Holland, addressed the meeting calling attention to the practice of culling the flowers of gladioli by growers who sell the bulbs, claiming that it resulted in injury to the bulbs. He also said that inasmuch as some varieties never produced large bulbs, a graded mixture of gladiolus bulbs in sizes was not desirable, as this would throw out many fine sorts, when a large range of varieties was required. There was much enthusiasm expressed over the coming meeting and exhibition at Baltimore in August.

SOCIETY OF AMERICAN FLORISTS

The illustrated lecture by John Dunbar, assistant superintendent of parks of Rochester, N. Y., on "Trees, Shrubs and Flowering Plants," was given as per program, in Paul Revere Hall, Mechanics' Building, Friday, p. m. The lecture, which was enjoyed by a good audience, was illustrated by an extensive series of lantern slides of trees, shrubs and landscape and garden scenery, many of them beautifully colored.

The formal session of the society took place on Saturday forenoon. A bare quorum was present, many of the members having already started for their homes. President Asmus delivered his address, covering the immediate business of the society and congratulating it on the success of the National Flower Show and allied enterprises. A telegram was received from Edwin Lonsdale, Lompoc, Cal., as follows:

"Greetings and congratulations on successful National Flower Show, hoping the innovation in holding a spring meeting has proven its wisdom by increasing membership materially and broadening influence. 1915 would be a good year to hold convention in San Francisco. This is worthy of the best endeavors of all good friends of the Society."

The committee on final resolutions, Messrs. A. T. De la Mare, A. Farenwald, James Forbes, J. H. Pepper and J. R. Fotheringham, presented their report as follows:

Whereas, The S. A. F. and O. H., in the holding of its second National Flower Show in the city of Boston, is deeply indebted to the Massachusetts Horticultural Society, the Gardeners' and Florists' Club of Boston and their ladies, Mayor Fitzgerald, the press, and the public of Boston, for courtesies extended and assistance rendered during the period of the show; and

Whereas, The National Flower Show Committee, through its Board of Control and its efficient managers, have all performed their duties in a manner entirely satisfactory to the Society; and

Whereas, Frank R. Pierson, the Chairman of the National Flower

Show Committee, has given unlimited time and services to make the Show a success; be it

Resolved, That the Society extends its most heartfelt thanks for such courtesies and assistance rendered, and the entertainment so liberally furnished. Furthermore,

Resolved, That the Society feels that the Show has been an unqualified success, due greatly to the efforts of those mentioned. And be it further

Resolved, That these resolutions be inscribed upon the records of the Society, and copies sent to the organization's members.

President Asmus then took the floor and, referring to the ardent and unselfish work done by Thomas Roland towards the success of the show, mentioned the fact that during its progress a daughter had been added to Mr. Roland's home circle, and on behalf of a few appreciative friends presented Mr. Roland with a silver porridge set for the use of the young lady. Mr. Roland in reply said that it had been all very easy work up to the present moment for him, but he found words to modestly express his pleasure over the little token and his delight that the great exhibition had been so great a success.

The president announced that the Executive Committee would meet in Baltimore on Monday, April 3, and then adjournment until next August was duly declared.

FLORISTS' TELEGRAPH DELIVERY ASSOCIATION.

A number of retail florists held a meeting on Wednesday, March 29. J. A. Valentine, president of the Association, explained its objects and the work done thus far. It was thought that the time was now right for strong action. On motion, Irwin Bertemann, of Indianapolis, was appointed secretary in place of H. B. Dornier, whose resignation was accepted with regret. The president appointed Messrs. Palmer, Smythe and Rock a committee to act with the president and secretary, to consider and present a schedule of dues and guarantee ratios at a meeting to be held later in the day. In the afternoon another session was held at which the committee presented the schedule and after some little discussion, the same was adopted.

George Asmus, president of the S. A. F., read a paper on "How We Handle Rush Work at Easter and Christmas." The paper was quite interesting. He thought that Saint Valentine's Day business was not reached out for as much as it might be by florists, and he predicted that this could be made one of the great days of the year from a business standpoint. Speaking of the taking care of sales charges, he suggested that florists use the registering machines, now popular in the country, for every charge made. In the matter of Christmas greens, he found that nowadays it was best to handle only stock of grades superior to those handled by the hucksters and other transient traders. He pointed out the importance of keeping a diary showing quantities of stock and kinds handled every day in the year. Henry Penn told how he had been successful in getting St. Valentine's Day business through liberal advertising in the local papers.

Clubs and Societies

FLORISTS' CLUB OF PHILADELPHIA.

The meeting of this club, held on the 4th inst., was rather slimly attended on account of the bad weather. A. E. Wohlert of Narberth, Pa., gave an excellent and interesting address on tree and shrub planting—which we hope to publish in the near future. He laid special stress on the importance of careful packing of stock at the nurseries, and attributed one-half of the failures to this and to exposure of the roots to cold or hot winds before planting or heeling in. He recommended broken stone for three feet around the base of a tree on the lawn instead of grass. The writer would like to have Mr. Wohlert explain more fully what the reasons for that might be. Grass is a friend of the human race and while not blazoned with bloom it is at least more cheerful and restful to the vision than broken rock.

A lively discussion of the recent National Flower Show took place. Commodore Westcott, Charles E. Meehan, Adolph Farenwald and others made interesting reports of what they had seen and made recommendations for our local guidance from deductions gathered at the show. J. Otto Thilow paid an eloquent tribute to the prize winners from our city and vicinity. Well-grown *Lilium longiflorum* and American Pillar roses were exhibited at the meeting of H. I. Faust, Merion.

DETROIT FLORIST CLUB.

The meeting on April 3 was devoted to an exhibition of cut flowers and plants suitable for Easter trade. The growers responded very liberally and it is only to be regretted that these many choice things could not be displayed in a more fitting way in a large hall and the public be made a witness of the great ability of local growers. There is no doubt that such exhibits as Thomas Brown's carnations, comprising 100 each, White Enchantress, Beacon, Dark Pink Enchantress, Pink Delight and new seedlings, most all with flowers $3\frac{1}{4}$ inches diameter on strong stems not less than 32 inches long, would capture first prizes amongst a much larger competition. Just as strong was Fred Breitmeyer's exhibit of Pink and White Killarney, La Detroit, American Beauty, Canadian Queen and a large assortment of snapdragon. The plant collections shown by Messrs. Plumb, Miesel, Beard Bros., M. Bloy and Fred Rush, covered everything the retailer needs for Easter and were of high quality. Ferd. Kolbe was very good with assorted carnations as well as vases of one variety.

The Bomb Floral Co. exhibited three very interesting baskets, one with Double Killarney, one with Melody and another with Aaron Ward, all tastily arranged with pussy willows and palms and ribbons.

Jerry Stock exhibited a fine collection of schizanthus. The Club awarded certificates of merit to Fred Breitmeyer, Charles Plumb, Thomas Brown and Fred Miesel.

FRANK DANZER.

A NEW PENNSYLVANIA SOCIETY.

The Bucks County Horticulture Society was organized on March 22nd, at



THE DUTCH GARDEN.
National Flower Show.

Doylestown, Pa. Officers: Dr. John H. Washburn, president; S. B. Denlinger, vice-president; J. J. Arney, secretary; S. Paul Woodman, treasurer. Nearly one hundred representative fruit growers and truckers of the locality signed the roll of membership, among them being our old friend Walter F. Fancourt, professor of horticulture at the National Farm School. Dr. Washburn, the president elect, is dean of the latter institution. The society will meet every three months and the National Farm School will probably be headquarters. Prof. Surface, state zoologist, has taken an active part.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The Ladies' Society of American Florists were entertained right royally and thanks are returnable to the Ladies of the Boston Committee and Gardeners and Florists' Club for the good times. Especially did all enjoy the hearty welcome extended by Mrs. W. H. Elliott at her new home in Brighton, Mass., on Friday. And last, but not least, do we mention that the silver vase given for best table decorations by the Ladies' S. A. F. was awarded to Hoffman the Florist, of Boston.

MRS. CHAS. H. MAYNARD,
Secretary.

CLUB AND SOCIETY NOTES.

The St. Louis Ladies' Home Circle spent a pleasant afternoon in the Langan building on Monday, April 3d, and after an hour's session they adjourned to the bowling alleys, where the rest of the afternoon was passed.

The St. Louis Florists' Club will meet Thursday afternoon, April 13th, for their regular monthly session. President Cannon and Secretary Bencke are making efforts for a large attendance as there is a great deal of business to transact.

The Retail Florists' Association of St. Louis held a good meeting at its

monthly session on Monday night, April 3d, and discussed a number of important questions which were reported by the different committees. President Sanders presided and all the other officers were present.

The Engelmann Botanical Club will hold its regular monthly meeting at the Missouri Botanical Garden, St. Louis, on next Monday night, April 10. Secretary Pring says the meetings of the club have been largely attended by the members and a good sprinkling of visitors. They will make arrangements for the club's annual field meet at this meeting.

The fall exhibitions of the American Institute of the City of New York, will be held in the rooms of the Institute as follows: Dahlia, Fruit and Vegetable Exhibition, September 19th, 20th and 21st, 1911; Chrysanthemum Exhibition, November 1st, 2nd and 3rd, 1911.

WM. A. EAGLESON, Sec.,
Board of Managers.

The report made at Boston by C. B. Meehan, chairman of the committee of the American Rose Society having in hand the establishment of a standardization of the grading of roses, favoring a grading applying to stems as follows: 9-in., 12-in., 15-in., 18-in. and 24-in., and higher as necessary was, on motion accepted by the Society. It will be interesting to note how the growers and dealers in the different rose markets will treat this innovation. President Elliott announced that the Stearns Lumber Co., of Neponset, Mass., was desirous of furnishing a convenient scale for gradings as described, and if florists would apply to them same would be gladly furnished.

Danville, Pa.—The Castle Grove Greenhouses whose new greenhouse was reported in our last issue, inform us that the building of this house has not yet been finally decided upon.

Extra Choice Grafted Rose Plants

Pink and White Killarney, Richmond and Maryland

In 2½-in. pots read for delivery April 15th

\$12.00 Per 100

These young plants are taken only from selected wood of our strongest stock.

Kaiserin, own root, 2 1-2 in. \$4.00 per 100; \$35.00 per 1000.

Bassett & Washburn,

**OFFICE: 76 Wabash Av., Chicago, Ill.
GREENHOUSES: Hinsdale, Ill.**

During Recess

Florists' Club of Washington.

The weeping skies of April are making good the proverb anent April showers, and it was in the face of an inclement greeting that the florists of this capital city ventured forth last Tuesday night to attend the annual banquet of the Florists' Club of Washington. As many of the gentlemen were accompanied by their wives and daughters, and a number of invited guests were also among "those present," it seemed all the more improbable that there would be a record breaking attendance around the festal banquet board. However, it proved to be one of the most successful and enjoyable of the usually successful annual gatherings. The installation of officers was one of the principal features of interest, and as a close second in interest came the presentation of a silver service to the retiring president of the club, whose regime was marked by success and enthusiasm.

The officers of the club held a reception in the parlors of the Fredonia Hotel before the dinner, which was served in the main dining room. In the receiving line were President Elmer C. Mayberry, Vice-President David Grillbortzer, Treasurer William F. Gude, Secretary O. A. C. Oehmler, and Directors W. W. Kimmell, George Cooke, W. A. Ballinger and G. Edward Shultz. W. R. Smith, superintendent of the Botanical Garden, made an informal address in which he was, as always, most interesting. Granville Hunt, as a committee from the Chamber of Commerce, made a talk on the movement to erect in Washington a building to be known as the George Washington Memorial Hall, at a cost of \$2,500,000. The Chamber of Commerce is raising the sum considered to be this city's proportion of the entire amount needed, and the Florists' Club has a committee engaged in adding subscriptions. It reported that it was meeting with satisfactory success.

Much interest was shown in an address by Peter Bisset of the Department of Agriculture, who told of the work in plant and seed introduction. He said that new things are constantly being brought here from all over the world to be tried out. In particular he referred to a new rambler rose from China which only arrived on the day of the banquet. It was new to the profession, he said, and very beautiful. It would be tested on the grounds of the Department, he said, and it was expected that it would prove a real acquisition. Mr. Bisset formerly had charge of Mrs. Gardiner

NEPHROLEPIS ROOSEVELT.



This fern was produced at the American Rose & Plant Co.'s establishment, Springfield, Ohio, and is a sport from *Nephrolepis exaltata Bostoniensis*. The first two plants were found in November, 1908, and up to October, 1910, over seventy thousand young plants had been taken from planted stock.

The fronds are from one third to a half wider than "Boston" and beautifully tapered from base to tip. The pinnae are distinctly undulated, giving the plant a decided wavy appearance. It is claimed that it will produce nearly double the number of fronds as the parent variety and have more graceful drooping habit, the rib of fronds being strong but not stiff and the texture of pinnae heavy but without giving the fronds a coarse appearance.

The Roosevelt is a strong maker of young plants and a most vigorous grower in every respect. The producers are showing single plants grown in six-inch, measuring over three feet across, symmetrical, and with wide wavy fronds, hiding the pots completely. Finished plants in three-inch pots are larger and more attractive than well grown four-inch Bostons and single plants of Roosevelt grown in six-inch are unexcelled in size and beauty. We learn that one firm has contracted for over thirty thousand plants of *Nephrolepis Roosevelt* in various sizes.

Hubbard's place. He has been engaged by the Department of Agriculture, and has been devoting his time to searching out new plants in all parts of the world for American farms and gardens.

F. J. DYER.

Chicago Bowlers.

Totals in score made March 29th by the Chicago Club are as follows:

	1st	2nd	3rd
Violets	797	784	858
Carnations	763	746	782
Orchids	849	746	772
Roses	698	787	823

INCORPORATED.

Philadelphia, Pa.—The Leon Nurseries, capital stock \$25,000.

S. S. Pennock-Meehan Co. are distributing a celuloid card made up for use in scoring points on roses, carnations, chrysanthemums and sweet peas for all of which the official scoring figures are given. This little vest pocket reminder will often prove of service to exhibitors and show visitors.

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

Here we have greatly increased facilities
for handling our large stock of cut flowers

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

We have a heavy supply of **Roses**—**Brides**, **'Maids**, **Richmonds**, **White Killarney**, **Pin Killarney**, **Maryland**, **Jardine**, **American Beauties**, **Marshall Field**, etc. **Easter Lilies**, **Callas**, **Valley**, **Carnations**, **Sweet Peas**, **Mignonette**, **Tulips**, **Daffodils**, **Jonquils**—in fact all kinds of cut flowers—and in green we have **Smilax**, **Asparagus** in strings and bunches, **Sprengeri**, **Adiantum Ferns**, etc.

BIG SUPPLY FOR EASTER

CHICAGO NOTES.

Trade Notes.

Chas. McKellar is receiving large quantities of bulbous stock from the south and it is arriving in fine condition.

The annual flower sale given for the benefit of the Home for Crippled Children will take place this year just after Easter, instead of before, as has been the custom.

Our Chicago visitors to the second National Flower Show came back filled with enthusiasm and have only praises for everything they saw and the welcome given them by the eastern florists.

The approach of Easter is bringing in the florists from surrounding towns, who have learned the advantage of being on the spot early and placing their orders well in advance for the big day just ahead.

A large quantity of callas were ordered from California by a local firm, but the flowers which arrived apparently in good condition quickly faded. They were also smaller than the home-grown ones and it was hard to cover express charges.

The usual display of flowering plants in the park conservatories is now on and thousands are taking advantage of it. Great credit is due those in charge. Quite possibly florists scarcely realize the value they receive commercially by this education of the people to love and desire plants and flowers.

Several large openings in the downtown business district April 3rd, was made the occasion for using a large quantity of flowers. The moving of the Fort Dearborn Bank to its new

home was accompanied by a shower of floral tributes from other banks and individuals, making the building more like a bower than a place of business. The opening of the new shoe store of De Muth & Co. called for cut flowers and palms and several large floral horseshoes were used at the opening of the Wiggery, and American Beauties were given to customers.

Outlook for Easter.

On account of Easter coming late this year bulb stock will be comparatively scarce except a few varieties of tulips and hyacinths. These will be in fair supply with very little prospect of a surplus. Of the main standby, Easter lilies, there is every indication that a sufficient number have been grown to meet all demands and the quality is good. There are the usual number, at least, of shorts and seconds and quite possibly the average length will run shorter this year. Spiraeas and Baby Ramblers are plentiful and some splendid trained specimens of the latter are seen. Azaleas promise now to be a little scarce while hydrangeas and rhododendrons are in much heavier supply and of excellent quality.

The cold rain which came with the opening of the last week in March was the forerunner of a cloudy week and settled down into a snow storm on Sunday, April 2nd, with continued cold and rain following. As much of the Easter stock depends upon the weather conditions of the three preceding weeks there are plenty of conjectures as to the result. Those whose crop of beauties is dependent upon sunshine for setting the buds are not very optimistic, but the growers whose roses

and carnations were coming in too fast are pleased with the cooler weather.

Personal.

Geo. Hoff who was operated on for appendicitis at the Lakeview Hospital ten days ago is gaining nicely.

John Starrett, florist at the La Salle Hotel, will spend two weeks at Mud-lava, Ind., and hopes to come back minus his rheumatism.

E. Wienhoeber and Wm. J. Smythe, who represented the retailers at Boston, are back and express themselves as delighted with the flower show.

A card from J. McHutchison of New York mailed from Santiago says his health is greatly improved by his trip. The party expected the next day to start across the Andes.

Visitors: Vincent J. Gorly of Grimm & Gorly, St. Louis, Mo.; Mrs. Ellison of the Ellison Floral Co., St. Louis, Mo.; A. Martini, gardener for J. H. Moore, Lake Geneva, Wis.; Geo. F. Crabb, Grand Rapids, Mich.; Mr. and Mrs. J. F. Wilcox and two sons of Council Bluffs, Mo.; E. Amerpohl, Janesville, Wis.; Mr. Kent of Kent Bros., Newark, O.

Mt. Vernon, Ill.—Fred Reinlein, proprietor of the Reinlein Greenhouse, whose greenhouse was wrecked by a wind storm, writes us that he intends to allow the place to lay idle for a time as business is slack and his entire stock was frozen. He has been working on solving the boll-weevil problem for years and claims to control the correct principle for its destruction. After this matter has been satisfactorily demonstrated he will rebuild his greenhouses.

BRITISH HORTICULTURE.

The Cult of the Carnation.

The Perpetual Flowering Carnation Society has given another proof of its usefulness in issuing an excellent "Year Book," which will be found exceedingly helpful to the professional and amateur alike. Mr. P. Smith, an experienced grower, has much to say that is appropriate and instructive in an article on "Novelties vs. Progress." C. Harman Payne entertainingly describes "Some Old Carnation Books." According to the existing judging scale ten points in a hundred are given for fragrance, whilst color, size and habit of plant receive twenty points each. The Rev. Joseph Jacob, in an article entitled, "What do we exist for?" advocates the raising of the points awarded for scent, and this view of the judging will be endorsed by most carnation lovers. Various phases of carnation culture are capably handled by Messrs. M. C. Allwood, A. Grubb, F. Fitch, and J. Gardner.

Activity in the North.

Good progress has been made in organizing the North of England Horticultural Society, the Secretary of which is the Rev. J. Bernard Hall. As regards the Society's certificates of horticultural proficiency, negotiations are taking place between the Secretary and the Northern Universities. It is hoped to arrange with the Universities to prepare candidates for written examinations. But to make sure of cultural proficiency as well as theoretical knowledge candidates will have to exhibit the produce of their gardens at the meetings at Leeds or elsewhere, by arrangement, or otherwise satisfy the Society in the matter of practical horticulture.

Miscellaneous.

The Royal Horticultural Society held an exhibition of forced spring bulbs on March 14 and 15. The trade section was somewhat disappointing, only one firm having entered. The first prize carried with it the gold medal of the General Bulb Growers' Society of Haarlem.—"The Sales for Agricultural Purposes Bill," which is to be introduced into Parliament is causing a great amount of uneasiness amongst seedsmen, who complain that it is likely to interfere seriously with their business and cause widespread annoyance unless its provisions are modified.—At a recent meeting of the Council of the newly formed National Hardy Plant Society, it was reported that encouraging progress was being made. Mr. Gill, of Penrhyn and Falmouth, Cornwall, exhibited a new hardy primula, *P. Winteri*, from the Himalayan Mountains. The species had only been seen previously in herbarium specimens, which were sent over to Britain forty years ago. This useful acquisition was awarded a first-class certificate.

W. H. ADSETT.

SEEDS

Asparagus Plumosus \$2.00 per 1,000. SPRENGERI \$1.00 per 1,000. STRAWBERRY GUAVA 30 cts. oz. SMILAX 25 cts. per oz. All from my own plants.

C. H. Gardiner, South Pasadena, Calif.

Easter Plants

Send your orders direct to the Mill, the great Mill of Plant Production that never ceases, of Godfrey Aschmann, well known for Easter Plants from ocean to ocean.

LILIUM MULTIFLORUM green as grass, good foliage from bottom up, 6-in. pots from 12 to 30 inches high. Plants with 5 to 10 buds, 10c. per bud; plants with 2 to 4 buds, 12c. per bud.

HYDRANGEA OTAKSA every branch nicely staked up, 6, 7 and 8-inch pots, 35c., 50c., 75c., \$1.00 to \$1.50.

SPIREA GLADSTONE, 6 and 7-inch pots full of flowers, 35c., 50c., 75c., \$1.00.

CINERARIA HYBRIDA GRANDIFLORA, all colors, mixed, 5½ to 6-inch pots, 25c., 35c., 50c., 75c., \$1.00.

AZALEA INDICA, selected by myself on my trip to Belgium last year, 1910. Good best American varieties, Mme. Van der Cruyssen, double pink, 75c., \$1.00, \$1.25, \$1.50 to \$2.00. Simon Mardner, double pink, Vervaeckiana, De Schreyeriana, Empress of India, double variegated, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00. Apollo, red, 50c., 60c., 75c. Deutsche Perle, Niobe, white, 60c., 75c., \$1.00, \$1.25 to \$1.50. Bernard Andreas Alba, also white, and large Niobe, \$1.50 to \$2.00.

CRIMSON RAMBLER ROSES, large plants 30 by 36-40 inches high, 75c., \$1.00, \$1.25, \$1.50.

HYACINTHS, four best colors: Gertrude, pink, King of the Blues, dark blue, Grand Maitre, light blue, La Grandesse, white, 4-inch pots, \$12.00 per 100.

TOURNESOL, best double variegated and Murillo double rose Tulips, 3 bulbs in one pot, \$1.80 per doz., \$15.00 per 100 pots.

VON SION DAFFODILS, best double yellow narcissus, 3 bulbs, in 6-inch pots, \$2.50 per doz. pots.

ARAUCARIA EXCELSA, 6 and 7-inch pots, 4, 5, 6 and 7 tiers, 4 to 5 years old, 25, 30 and 35 inches high, 75c., \$1.00, \$1.25, \$1.50 to \$2.00.

ARAUCARIA GLAUCA, 6 to 7-inch pots. **ARAUCARIA ROBUSTA COMPACTA**, 6 to 7-inch pots, \$1.25, \$1.50, \$1.75 to \$2.00.

KENTIA FORSTERIANA, 6-inch pots, 30 to 40 inches high, \$1.00, \$1.50 to \$2.00.

KENTIA BELMOREANA, single plants, 6 to 7-inch pots, \$1.50 to \$2.00.

KENTIA BELMOREANA, combination plants, 3 plants in one pot, 30 to 40 inches high, \$1.25, \$1.50 to \$1.75.



FERNS

ASPARAGUS SPRENGERI, 4-inch, 10c.; 2½-inch, 4c.

NEPHROLEPIS BOSTONIENSIS, 5½ to 6-inch, 40 to 50c.

NEPHROLEPIS SCHOLZELI, 6-inch, 50c.; 7-inch, \$1.00.

WHITMANI, 7 to 8-inch, \$1.25 to \$1.50. **SCOTTII**, 5, 5½ to 6-inches, 35c., 40c., 50c.; 7-inch, \$1.00; 8-inch, \$1.50.

NEPHROLEPIS GIATRASIL, a new fern very graceful, of weeping habit, 5, 5½-inch pots, 30c., 40c., 50c. Small 4-inch, 20c.

LATANIA BORBONICA (Chinese Fan Palms) 30-inches, 6 to 7-inch pots, 40c., 50c., 75c.

DRACAENA BRUANTI, 6-inch, 35c. to 40c.

BEGONIA REX, 5½ inches, 25c.

IPOMEA NOCTIFLORA or Aschmann's well-known, pure white, waxy Moon Vine, 2½ inch, \$5.00 per 100. Now is the time for you to plant them into 4-inch pots, will make plants for you by May 25th.

FERNS FOR DISHES, assorted, \$4.00 per 100.

Cash with order please, no references. All plants travel at purchaser's risk only. Mention if pots are wanted.

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All the latest novelties and standard varieties. You can depend on our plants to give large, fine quality fruit. Send for our latest catalogue.

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Wholesale Florists,

Richmond, Ind.

Tuberous Rooted Begonias

In five separate colors — White, Scarlet, Crimson, Pink and Yellow —

SINGLE, \$2.50 per 100	\$20.00 per 1000
DOUBLE, \$4.50 " "	\$40.00 " "

GLOXINIAS

In four separate colors — White, Blue, Red, and Blue-bordered White.

\$4.50 per 100

Finest Mixed, all colors — \$3.50 per 100

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of the following varieties — first-class plants of exceptionally good value, — plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. It has not reverted in the last four years. Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$12.00 to \$18.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scotti does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$18.00 per dozen; extra fine specimens, 12-in. pans, \$5.00 each.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted, — *Pteris Mayii*, *Wimsetti*, *Adiantoides*, *Aspidium tsusimense*, *Cyrtomium falcatum*, etc.

Nice plants, 2 ¼-in. pots, \$3.50 per 100.

CROTONS

Fine assortment, well-colored. 5-in. pots, \$9.00 per dozen.

F. R. Pierson Company
TARRYTOWN-ON-HUDSON, NEW YORK

THE QUESTION OF MOISTURE FOR MUSHROOMS.

Editor of HORTICULTURE:

I have read a great deal about mushrooms, including the articles in HORTICULTURE, during the past six months, and have experimented some. I don't know it all yet. Who can tell me something more?

Experiment 1. Soil, $\frac{1}{4}$ rotted manure, $\frac{3}{4}$ garden soil. Box 2 x 4 feet, located under bench in house ranging nights from 60 to 70 degrees, and days up to 80. Very little heat from soil fermentation. Spawned at 80 degrees F. Cased when down to 70 degrees. Surface lightly sprinkled when dry. Buttons appeared in seven weeks and a few matured. Then many buttons showed but nothing matured. At end of three months I gave the box a heavy soaking. Result, a crop of mature mushrooms in two days. This is contrary to all literary instructions, both as to temperature and watering.

Experiment 2. Soil, $\frac{3}{4}$ manure and topped with some garden soil. Moisture same as No. 1, but with 10 degrees less temperature of house. Not so many buttons matured at end of two months. Again I watered freely and again there was immediate production of mature mushrooms. More light is needed of a scientific nature as to the moisture and watering question. The experimentation seems to point to the possibility of growing mushrooms without much manure fermentation in the soil, controlling the soil temperature by the outside atmospheric temperature. I had quite a voluntary crop of mushrooms in my grape houses about a month after starting the same. Well rotted horse manure was forked in the borders about a month before we turned on heat, which was Dec. 1. The grapes are now beginning to color. We have grown some fine Telegraph cucumbers in large pots under the grape vines, and are crossing White Spine and Telegraph as an experiment.

J. M. W. KITCHEN, M. D.

THE BOSKOOP EXHIBITION.

We have received a large colored poster of the great exhibition of forced shrubs and plants which is being held from April 5 to 16, on the occasion of the 50th anniversary of the Pomological Society of Boskoop (Holland). The members of this society now apply themselves almost exclusively to the cultivation of all sorts of conifers, evergreens and shrubs and perennials for forcing. The exhibition will be highly interesting, for the great collaboration of the principal firms of Boskoop and its environs guarantees a complete survey of all kinds of shrubs and perennials for forcing, which are in cultivation in this well known nursery district. C. H. Claassen is president and C. Th. Moerlands secretary of the exhibition.

FIRE RECORD.

Reading, Pa.—On March 5th fire destroyed the building occupied by the flower store of Guy W. Payne.

Clarinda, Iowa.—The seed house of A. A. Berry was totally destroyed by fire March 19th. About 1500 bushels of onions, cultivating machinery, shipping crates, etc., were destroyed also. Insurance \$3,500.

LILIES FOR EASTER

Extra fine. Cut or in pots. Average four and five to the plant. Have some with three and six flowers and buds. Just the right height.

Spirea in 7 in. pots. Extra fancy.

Satisfaction guaranteed. Send for Prices.

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Roehrs Quality

In Palms, Pandanuses, Azaleas, Ferns, Orchids, Camellias, Lorraines and the endless variety of **Flowering or Foliage Plants** for Commercial Use or Conservatory Decoration. Quality is our **First Consideration**. And you can get it every day in the year.

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Private collection of Cattleyas, Var. Labiatus, Trianaes, Percivalianas, Schroderaes, Mossiaes, Gigas, Speciosissimas, Var. Dendrobium, Var. Odonoglossum, Var. Oncidium, Var. Cyripedium; All condition, some fine specimen plants; 100 plants; selling out; party is in bad health and unable to take interest in them; will sacrifice. For particulars address

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Write for special list and catalogue.

LAGER & HURRELL, SUMMIT N. J.

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$1.50 per dozen, \$12.00 per 100, \$100.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinense Blue and White. 75 cents per dozen; \$5.00 per 100.

Choice and Rare Named Hybrid Varieties

Amos Perry. Symmetrically formed, semi-double flowers of a rich rosy-mauve, flushed sky-blue, conspicuous black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Amyas Leigh. Large spikes of rich sky-blue flowers, the inner petals rich rosy-plum with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Belladonna. The freest of all, never out of bloom. Beautiful turquoise-blue flowers. 15 cents each; \$1.50 per dozen; \$12.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye. \$2.50 per dozen; \$20.00 per 100.

Julia. Gigantic flowers of a pretty "Cornflower" blue, beautifully veined with rose and large pure white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$18.00 per 100.

Mme. Emma Zaiser. Flowers nearly 2 inches in diameter, rich cambridge-blue, flushed rose, jet-black-centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mme. Violet Geslin. One of the finest, flowers perfectly round, clear blue, centre lavender, with bold white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Musea. Large circular flowers of a curious shade of rosy-mauve, edged cambridge-blue, with dark eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Portia. Lovely "Cornflower" blue, with faint flush of rose and black centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Queen Wilhelmina. Massive spikes of sky-blue flowers flushed with rose, with very large pure white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Rembrandt. Large loose spikes of bright sky-blue flowers, inner petals rosy-lavender, the whole suffused with a silvery sheen. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

NEW WHITE DELPHINIUM.

Hybridum Moerheimi. The first really pure white Delphinium introduced and a sterling novelty; a strong vigorous grower and a remarkably free bloomer. Stock limited. \$2.00 each.

Dreer's Superb Double Hollyhocks

We have this season a fine lot of strong, clean, healthy, vigorous one-year-old flowering plants of the finest strain, as under:

Double White,	Double Yellow,	Double Rose,
Double Pink,	Double Red,	Double Maroon.

\$1.50 per dozen; \$10.00 per 100.

Per doz.	Per 100	Per doz.	Per 100	Per doz.	Per 100
Single Mixed 1.25	8.00	Double Mixed 1.25	8.00	Double Fringed Allegheny 1.25	8.00

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

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The above prices are intended for the trade only

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FERNS

Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

Gladiolus, Cinnamon Vines

Madeira Vines, Lilies, Iris, Daphne
Cneorum, Syringa Japonica
and Wistarias.

Write for Price List.

E.S. MILLER, Wading River, N.Y.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;
\$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

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PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries, Roseland, — Boston, Mass.
Price list on application.

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ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 40th STREETS, PHILADELPHIA, PA.

BOSTON FERNS, 2½ inch \$30.00 per 1000,
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

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BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

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Beginning at 10.30 A. M., Tuesday, April 11th and continuing at the same hour up to and including Saturday, April 15th.

EASTER PLANTS

Consignments received at any time during the week. Also Foreign and Domestic Nursery Stock in great variety.

Special facilities for prompt delivery. Regular sales throughout the season.

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Of what you have in Plants, Flowering or Foliage

FOR EASTER

We are in the market as heretofore, for a large stock and can use all you have if price and quality are right.

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ADDRESS

C. C. TREPEL, Mgr., Plant Department, 59th St., New York

PHILADELPHIA NOTES.

Frank Jackson, late manager for Battles' Thornhedge greenhouses, has purchased a property at Sellersville, Pa., and will erect thereon a modern greenhouse establishment.

Everybody is congratulating the disseminators of the new Irish Rose "Melody" on the silver medal it won at the great Boston show last week. This is undoubtedly the loveliest of all the yellow roses to date and orders have been pouring in lately in recognition of its extraordinary merit.

John H. Dodds, superintendent at the country home of John Wanamaker, has disposed of his fine improved yellow sport of Pandanus Sanderi to the Robert Craig Co. who will disseminate it. The variety is named "Lindenhurst"—in compliment to its native home—the Lindenhurst estate of Mr. Wanamaker.

Herbert Baker, lately foreman for C. & G. L. Pennock, rose growers, Lansdowne, succeeds to the business of Aldrich Pennock, deceased—which has been conducted until now under the title of the A. J. Pennock Co., at Lansdowne. Mr. Baker will conduct the business under his own name, and will grow roses principally.

The continued cold weather is beginning to make the plant men worry. Efforts were all in the direction of holding crops back on account of the late Easter this year. Now, the growers find that they will have to put the heat to them in the most emphatic manner, if they are to be in good shape for Easter week. Conditions are all right for hyacinths, daffodils, tulips

and other bulbous stock—which prefer cool conditions—but most all other stocks are at the critical stage—and giving lots of anxiety.

Messrs. Logan and Batchelor of Newbold's are receiving congratulations on having won out at the Boston show with the finest specimen azaleas in the exhibition. This is no mean honor considering the advanced position the science of horticulture has reached around Boston—that locality being admitted as leading the procession in high-grade gardening. In commercial flower growing also, Pennsylvania can congratulate herself on having still a few good growers. Messrs. Farenwald and Towill held their ends up nobly in roses.

And we must not forget our good friend John R. Andre of Doylestown in the latter connection. He is following in his revered father's footsteps, and doing the rose better and better every year. How proud the elder Andre would have been if he had been alive to-day to see his son's success.

Visitors: G. W. Grandy, Jr., Norfolk, Va.; Mr. Hostetter, Manheim, Pa.; Philip Breitmeyer, Detroit, Mich.; W. B. Girvin, Lancaster, Pa.; William and Charles Feast, Baltimore, Md.; Henry W. and Harry F. Reiman, Indianapolis, Ind.

HOLLYHOCKS

Large field-grown roots, at \$6.00 per 100; \$50.00 per 1000. Double White, Yellow, Pink, Salmon, Red and Maroon. Write for samples. Also list of Other Perennials.

Cash with order, please.

GEO. F. KIMBEL, Flourtown, Pa.

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York

BEGONIAS

Begonia Glorie de Lorraine, Begonia Lonsdale, \$15.00 per 100, \$140.00 per 1000.

Begonia Glory of Cincinnati, \$25.00 per 100, \$200.00 per 1000, 250 at 1000 rate. Strong 2½ in. pot plants, twice transplanted. No better stock obtainable. Place your order early to insure May and June deliveries.

Absolute satisfaction guaranteed. Katalog for the asking.

SKIDELSKY & IRWIN CO.

1215 BETZ BUILDING, PHILADELPHIA, PA.

Water Lilies

Hardy, Old-Fashioned Garden Flowers
HYBRID TEA ROSES, AZALEAS,
RHODODENDONS, etc.

Send for Catalogue

WM. TRICKER, - Arlington, N. J.
WATER LILY SPECIALIST



Here's Nursery Stock That Every Florist Can Use NOW

Your customers are ready to buy a lot of things from you besides cut flowers, pot-plants and bulbs—for instance, you can sell a lot of Harrison's California Privet this Spring without going to much bother—and make money on every bit of it, too.

We have the soil and the facilities for growing California Privet right. We grow plants by the million—they are sturdy and stocky, branched close and thick right down to the ground, and with great heavy masses of roots that will take tight hold and get down to business almost anywhere your customers plant them—making a beautiful, dense hedge from the first season.

Harrison's Strawberry Plants are another thing you can sell a lot of this Spring—we have over 100 varieties, and are ready to dig millions of healthy young plants that will bear heavily next year.

Then we have scores of other shrubs and vines, trees and plants, many of which you could handle to splendid advantage—make money and please your trade. We'd like to "talk it over with you by letter." Drop us a line and we'll send full particulars, with our brand-new eye catching 1911 Catalogue, by first mail.

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J. G. Harrison & Sons, Berlin, Md.
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HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

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JOHN T. WITHERS, Inc.

Landscape Architect and Forester

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Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

Headquarters for

SPRING BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

ROSES

A. N. PIERSON, Inc.
Cromwell, Conn.

NEWS NOTES.

Beaumont, Calif.—A nursery is being started here by George De Huff.

Hagerstown, Md.—Edward Hoover will go into business here, having built a greenhouse. He is the son of C. C. Hoover, gardener.

Middletown, N. Y.—Edward A. Lorentz whose greenhouse addition was reported in last week's issue, writes that a dwelling house south of his greenhouses shaded them too much so he recently purchased the house and is moving it to a vacant lot also recently purchased across the street. This will give him more room for flowers out of doors and will enable him to lengthen his greenhouses later on if necessary. He intends to build an 8x30 lean-to propagating house this summer.

"Nothing but Roses"

Spring List ready, 200 old and new sorts, 2½ and 4-in. on own roots.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

The Shatemuc Rose

Our new Seedling from Rosa multiflora nana. Double flowers in full clusters on long sprays.

Delicate Peach blossom color.
Strong plants for flowering this summer, 75 cts. each.

SHATEMUC NURSERIES, Barrytown, Dutchess Co., N. Y.

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Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lillies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

Box Trees

and other **EVERGREENS** for Tubs and Boxes

Our Prices are Always Right—Catalog Free

THE NEW ENGLAND NURSERIES, Inc.
BEDFORD, MASS.

DAHLIA ROOTS

Whole Field Clumps—At \$5.00 per 100 and up. 1000 in to distinct kinds either Show, Decorative, or Cactus our selection of kinds for \$40.00 cash.

CANNA ROOTS

Strong Division—At \$2.00 per 100, \$12.00 per 1000 and up. Send for List.

R. VINCENT, Jr. & SONS CO.

White Marsh, Md.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

¶ In buying lily bulbs do you invest or do you speculate? The safest plan of course is to invest, and that means to pay the price and get the very best the market affords. The speculation plan is to buy the cheapest you can and take a chance. Now if it was only a mere speculation in bulbs the risk would not be so great, but the real danger in handling bad bulbs is the loss of valuable space in the greenhouse, and the profit on the sale of cut flowers. Of course an investment is not always absolutely safe, but in the long run it is much safer than a speculation and every experienced grower of lilies knows that the best bulbs are absolutely necessary for successful results and profitable returns. If you knew what we know about Horse-shoe Brand Giganteum of superior quality and assortment, no one could induce you to buy other brands. There are positively no better lily bulbs produced in the world and they are as safe an investment as you can possibly make in lily bulbs.

¶ Prices reasonable for quality delivered. Try them.

Write for Prices.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Cold Storage Giganteum always on hand.

**Wire, Phone or Write
For Samples and Prices**

BIG BARGAINS

IN HIGH GRADE

CRIMSON CLOVER	KENTUCKY BLUE
RED CLOVER	GRASS
MAMMOTH OR	RED TOP OR
SAPLING CLOVER	HERD'S GRASS
WHITE CLOVER	RYE GRASSES
COW PEAS	POULTRY FOODS
SOJA BEANS	PIGEON FOODS

J. BOLGIANO & SON

**Wholesale Seed Merchants
Importers**

BALTIMORE - MD.

Decoration Day Roses

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Hardy Perpetual Roses

We offer extra-strong forcing two-year-old dormant, low budded stock, in the following varieties, true to name: Price, 15 cts. for 5 (of one variety), \$13 per 100, \$120 per 1000 (immediate delivery).

Alfred Colomb. Carmine crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Large, pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Delicate flesh color.
Clio. Satin blush; very fine new sort.
Duke of Edinburgh. Bright vermilion.
Fisher Holmes. Dark velvety crimson.
Franz Karl Druschki. The finest white in existence.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson; the popular Rose.
John Hopper. Bright rose, with carmine center.
La France. Peach blossom pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh center.
Marshall P. Wilder. Cherry rose and carmine.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Light, satiny pink.
Mrs. John Laing. Rich, satiny pink.
Mrs. Sharman Crawford. Deep rosy pink.
Paul Neyron. Lovely dark pink.
Persian Yellow. Hardy yellow rose.
Prince Camille de Rohan. Dark crimson maroon.
Soleil d'Or. Large, globular flowers, varying in color from gold and orange to reddish gold, shaded with nasturtium red.
Ulrich Brunner. Cherry red; grand rose; free. For Prices, see above.

English Moss Roses

Assorted. White, Pink, Red. Large dormant plants, from open ground. 75 cts. for 5, \$14 per 100.

Baby Rambler Roses

PHYLLIS. Very fine clear pink, highly recommended. \$1.25 for 5, \$20 per 100.
PHYLLIS (Grown as a Standard). \$2 for 5, \$35 per 100.
BOSKOOP BABY. Color beautiful shade of China rose, very free-flowering and easily forced. \$3.25 for 10, \$30 per 100.
BABY DOROTHY. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85 cts. for 5, \$15 per 100.
BABY DOROTHY (Grown as a Standard). For description, see above. 50 cts. each, \$4.75 for 10, \$45 per 100.
CATHERINE SEIMETH. A very important novelty. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. It has the true rose perfume. 85 cts. for 5, \$15 per 100.
MRS. WM. H. CUTBUSH. A grand acquisition to the Baby Rambler class. Color intense crimson and exceptionally free-flowering. 85 cts. for 5, \$16 per 100.
MME. NORBERT LEVASSEUR (Baby Rambler). Strong, field-grown plants, 75 cts. for 5, \$14 per 100.
BABY RAMBLER (Grown as a Standard). The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40 cts. each, \$3.75 for 10, \$35 per 100.

Ramblers and other Climbing Roses

CLIMBING BABY RAMBLER (Miss C. Mesman). A novelty for 1911, where the Baby Rambler is popular, the climbing type will soon become so, too. We have a small stock, and offer same as follows. It is a true Polyantha type, color deep rose. 50 cts. each, \$2.25 for 5, \$10 per 100.
GLOIRE DE DIJON. Color buff, orange center, very sweet-scented. Field-grown. \$1.50 for 5, \$22.50 per 100.
CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 5 feet, \$1.75 for 10, \$15 per 100; 4 to 6 feet, \$2.25 for 10, \$20 per 100; 7 to 8 feet, extra heavy, \$4 for 10, \$35 per 100.
DOROTHY IERKINS. Resembles the Crimson Rambler, except in color, which is a lovely shell pink, holding a long time without fading. 4 to 5 feet, \$1.75 for 10, \$15 per 100; 8 to 9 feet, \$2 for 10, \$18 per 100.
TAUSENSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$1.75 for 10, \$15 per 100.
TAUSENSCHON (Grown as a Standard). Fine for forcing. 40 cts. each, \$3.75 for 10, \$35 per 100.

Something New in Roses for Florists

Half-Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (Half Standard). Deep pink. 40 cts. each, \$4 per doz., \$30 per 100.
BABY RAMBLER (Half Standard). Crimson. 40 cts. each, \$4 per doz., \$30 per 100.
BABY CATHERINE SEIMETH (Half Standard). White. 40 cts. each, \$4 per doz., \$30 per 100.
BABY "STARS AND STRIPES" (Half Standard). White and red grafted on the same plant; most attractive. 45 cts. each, \$4.50 per doz., \$35 per 100.
PHYLLIS (Half Standard). Carmine pink. 45 cts. each, \$4.50 per doz., \$35 per 100.
TAUSENSCHON (Half Standard). Soft pink. 40 cts. each, \$4 per doz., \$30 per 100.
MRS. CUTBUSH (Half Standard). Rose pink. 40 cts. each, \$4 per doz., \$30 per 100.

We own Climbers

Mme. Plantier. White.
Baltimore Belle. Pale blush color.
Prairie Queen. Red, changing to pink.
Seven Sisters. Clear pink.
 75 cts. for 5, \$14 for 100

English Grown Hybrid Tea, or Everblooming Roses, etc.

Hybrid Tea or Everblooming Roses are becoming more popular every year. As hardy as the perpetuals, with slight protection in Winter, they give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

THE GRAND ROSE LYON. Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large with broad petals, full and globular in form; shrimp pink at the ends of the petals, center coral-red or salmon-pink, shaded with chrome yellow. Very fragrant. 40 cts. each, \$1.75 for bundle of 5, \$30 per 100.

THE KILLARNEY ROSE. This is a grand Rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion. Strong, 2-year-old field-grown stock, \$1.25 for bundle of 5, \$22.50 per 100.

MAMAN COCHET ROSES. The best of all Roses for Summer-flowering and cutting.

Maman Cochet (Pink). Color is clear, rich pink, changing to silvery rose; very double and fragrant.

Maman Cochet (White). A sport from the above, with all its characteristics; color a beautiful snow-white, at times tinted with the faintest suggestion of blush, the same as is often found in the Bride.

\$1.25 for bundle of 5, \$22.50 per 100.

ROSE, Etoile de France. Flowers large, possessing petals of very good substance; magnificent cupped form. Superb crimson-red velvet, the center of the bloom vivid cerise-red. The flowers are very fragrant and last very long. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced. Strong, 2-year-old plants, field-grown, 85 cts. for bundle of 5, \$15 per 100.

BESSIE BROWN. Creamy white, \$2.50 for 10, \$22.50 per 100.

GRUSS AN TEPLITZ. No Rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower, \$1.75 for 10, \$15.00 per 100.

VISCOUNTESS FOLKESTONE. A large full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous. \$1.25 for 5, \$22.50 per 100.

HERMOSA. Soft pink; flowers full and freely produced; a good grower. \$1.25 for 5, \$20.00 per 100.

RICHMOND. The well-known red Rose of commerce, \$1.25 for 10, \$22.50 per 100.

PRESIDENT CARNOT. Almost pure white Rose, shading to soft pink, very distinct and excellent for indoor or outdoor Summer growing, \$1.25 for 5, \$22.50 per 100.

BETTY. Copper-yellow, overspread with golden-rose. A fine formed Rose, large and moderately full, \$1.75 for 5, \$25.00 per 100.

MADAME ABEL CHATENAY. Carmine-rose, shaded salmon-pink, \$2.50 for 10, \$22.50 per 100.

MILDRED GRANT. Cream, with a faint blush of pale rose, \$2.50 for 10, \$22.50 per 100.

AMERICAN BEAUTY. Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous. Strong, field-grown plants, 75 cts. for bundle of 5, \$14 per 100.

CAROLINE TESTOUT. Bright satin rose, with brighter center, large full, globular; sweet-scented, \$1.25 for bundle of 5, \$22.50 per 100.

We carry a much larger list of Hybrid Teas in our retail catalogue, which will be sent on application.

KAISERIN AUGUSTA VICTORIA. An almost pure white Rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer-blooming. Bundle of 5 for \$1.25, \$22.50 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK CITY

MICHELL'S SPECIALS FOR FLORISTS

HYACINTH STAKES (Wood) Dyed Green

	Per 100	Per 1000	Per 5000
12 inch	\$0.15	\$1.00	\$4.25
18 " .....	.20	1.35	6.25

HEADQUARTERS FOR CANE STAKES

	100	500	1000	5000
Southern, very long, select quality.	\$0.75	\$3.00	\$6.00	\$25.00
Japanese, very thin about 6 ft. long	.75	3.00	5.50	25.00

UNPAINTED STAKES OR DOWELS

	Per 100	Per 1000
36 in. long, 3/4 in. diameter	\$0.65	\$5.25
36 " " 3/8 " " .....	.65	5.25
42 " " 3/4 " " .....	.75	6.00
42 " " 3/8 " " .....	.75	6.00

The above dyed green, 10c. per 100 or 50c. per 1000 additional.

SEND FOR WHOLESALE PRICE LIST

MICHELL'S SEED HOUSE, 518 Market St., PHILADELPHIA

Seed Trade

The Next Convention.

It has been practically decided that the next convention of the American Seed Trade Association will be held either at Marblehead, Mass., or Swampscott, with the odds at present in favor of the Rockmere at Marblehead.

In view of the fact that the convention was held east last year and was due to go west this year, it is not altogether clear why it should be brought so far east again this year. It is generally understood that Milwaukee had been selected, but owing to the fact that another and very large convention was booked there the same week, the hotels could not take care of the Seed Trade Association. The chances are that the attendance will be large from the east but not very large from the west. However, it is doubtless the best arrangement that could be made under the circumstances.

Unseasonable.

Trade conditions have not improved in the last two or three weeks owing to the cold and inhospitable weather of March, and April opens with the same quality, and in New England and in eastern and western New York the weather is more like mid-winter than typical April. The mercury has been nearly half way to zero nearly every night since the first of the month, and within the last day or two there has been quite a snow fall, which, by the way, was regarded as more of a blessing than an evil, as the soil has been very dry and greatly in need of moisture.

Onion Seed.

It is now so late in the season that real spring weather cannot be long delayed, and if it is only continuously warm when the spring does open, vegetation may be just as far advanced at the first of June as last year.

There have been reports of serious damage to seed crops in California, but these annual complaints are largely discounted by the trade, and many would regard a considerable shrinkage of the onion seed crop as anything but an unmixed evil. It begins to look as

if we were going to experience the conditions of a few years ago when onion seed was peddled around the country below the cost of production. All clouds have their silver lining, however, and just at this time there has been a sharp and sudden advance in the prices of onions with a corresponding increase in the demand for seed. We have been informed by a number of the leading retailers that there has been a very satisfactory movement in the onion seed line during the last few weeks, and if this is general it will mean that a considerable portion of the surplus will be consumed. The very low price of onion sets has been in marked contrast to the high and advancing price of large onions, and while the latter continue to advance the former do not; but as a matter of fact there will be very little opportunity for a further decline in sets, unless they are absolutely given away.

Potato Outlook.

Some weeks ago onion sets and potatoes were coupled in the general decline, but within the last two or three weeks there has been a marked change in the market price of potatoes, and today they are higher than at any time during the winter and with a tendency to advance to a still higher level. We have been informed that the Maine crop has been largely marketed, and very small stocks are now held in first hands. From present indications we would not be surprised to see an advance of from 50c. to \$1.00 a barrel over the ruling prices of the present week.

Baltimore Changes.

In our issue two weeks ago we referred to the impending changes in the trade in Baltimore. Since that time one of the proposed new concerns has actually taken on corporate existence under the name of the C. F. Wiseman Seed and Implement Co. It is barely possible that the name of the new concern may be changed, and if so we will give information about the same at an early date. There is at least one other new concern seriously discussed which may or may not materialize, but the addition of even one new seed house in a town where

prices are so badly demoralized as in Baltimore, is an important factor to be reckoned with not only by the new concern, but by those already established.

Hobbling the Cannery.

Our so-called scientists of the Department of Agriculture find it often difficult to prove the necessity for their existence, consequently, they are discovering new sources of danger to the public health, and one of the latest is "Salts of Tin." No doubt, there is such a thing as "salts of tin," but it is very doubtful if in sufficient quantity to be a serious factor affecting purity of canned foods. The fact, however, that it has been discovered and discussed by the Department has caused the canners of the country a good deal of concern and also the manufacturers of cans. It is generally believed that this new discovery will be developed and ere long packers of food in tin will have conditions imposed on them that it will be well nigh impossible for them to comply with.

The relation of the seed trade to the canning industry is sufficiently close to make any matter of this character interesting, and as the seedsmen are having their own troubles with more or less ridiculous state laws, they will no doubt be interested to learn that the National Government is seriously contemplating hobbling an allied industry. Important developments along this line will be given from time to time in HORTICULTURE.

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

WEEBER & DON

Seed Merchants and Growers. 114 Chambers St. City

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,

Orange, Conn. 82 Dey Street, New York City.

All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
Marigolds, Gourds.

VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
Onions, Peas, Radish, Squash.

Lawn Grass and Clover Seeds, Best
Grades of Farm Seeds.

Dahlias, Tuberoses, Gladioli, Tuberous Begonias
Lycoris, Cannas, Coleus, Geraniums.

Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

JAMES VICK'S SONS

SEEDSMEN

ROCHESTER, N. Y.



BEGONIAS GLOXINIAS

in separate colors

Asters in all varieties and
in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - - BOSTON

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

ONION SETS
Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

Established 1820

Thorburn's Seeds

For Florists and Market Gardeners.
All highest grade.

Catalogue mailed on application.

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

In ordering goods please add "I saw
it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J FARQUHAR & CO.
Boston, Mass.

GERBERA

Jamesoni Magnifica

An Improved Form of the beautiful Scarlet Barberton Daisy, originating with A. Jaeneke. The flowers are fine for cutting and keep for two weeks in water. 1000 seeds, \$2.50 to the trade.

"Superbloom" Valley Pips

Special Forcing Grade, \$12.00 per 1000 in cases of 2000 pips; also all other flower seeds and bulbs for florists and gardeners.

"BUDS"

76 Barclay Street New York, N. Y.

CARL R. GLOECKNER, Pres.

W. N. Searff. C. O. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulae,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Attica, Ind.—The Attica Florist Co., Jasper Cheak proprietor, has been purchased by W. S. Kircher.

Hackensack, N. J.—Fowler & Bratt will take over the retail department of the Red Towers Greenhouses.

Brooklyn, N. Y.—The retail business of J. Herman, Gates avenue, has been purchased by Mrs. W. C. Krick who took possession March 10th.

Port Chester, N. Y.—A flower store will be opened in the store now occupied by the Western Telegraph Co. in Liberty Square early this month.

Dayton, Ohio.—The retail store conducted by Mrs. Bertha Hendricks, 808

STEAMER DEPARTURES

Allan.

Hesperian, Boston-Glasgow... Apr. 18
American.

New York, N. Y.-S'hampton... Apr. 8
Philadelphia, N. Y.-S'hampton... Apr. 15

Anchor.

Furnessia, N. Y.-Glasgow... Apr. 8
California, N. Y.-Glasgow... Apr. 15

Atlantic Transport.

Minnetonka, N. Y.-London... Apr. 8
Cunard.

Caronia, N. Y.-Liverpool... Apr. 12
Pannonia, N. Y.-Mediterranean... Apr. 13

Ivernia, Boston-Liverpool... Apr. 18
Hamburg American.

Amerika, N. Y.-Hamburg... Apr. 8
Hamburg, N. Y.-Mediterranean... Apr. 11

Bluecher, N. Y.-Hamburg... Apr. 12
Holland-American.

Statendam, N. Y.-Rotterdam... Apr. 11
Rotterdam, N. Y.-Rotterdam... Apr. 18

North German Lloyd.

F. Der Grosse, N. Y.-Mediterranean... Apr. 8
Kronpr. Wilhelm, N. Y.-B'r'n... Apr. 11

Pz Fr'd'h Wil'm, N. Y.-B'r'm... Apr. 13
Prinzess Irene, N. Y.-Mediterranean... Apr. 15

Kaiser Wil'm II, N. Y.-B'r'm... Apr. 18
Red Star.

Kronland, N. Y.-Antwerp... Apr. 8
Finland, N. Y.-Antwerp... Apr. 15

White Star.

Laurentic, N. Y.-Liverpool... Apr. 8
New York, N. Y.-S'hampton... Apr. 8

Canopic, N. Y.-Mediterranean... Apr. 8
Adriatic, N. Y.-S'hampton... Apr. 12

Celtic, N. Y.-Liverpool... Apr. 15

East 5th street has been purchased by Mrs. L. D. Johnson, her daughter. Mrs. Hendricks has retired on account of ill health.

Livingston, Mont.—The Yellowstone Floral Co., recently incorporated in Helena, as reported in the March 18th issue of HORTICULTURE has purchased the Livingston Greenhouse and taken possession. This will be a branch of the company as they will operate in other Montana cities. J. C. Van Catz is florist for the company.

NEW FLOWER STORES.

Gary, Ind.—Gary Floral Co.

Greenwich, Conn.—J. B. McArdle, Merritt Bldg.

San Francisco, Calif.—S. Benning & Co., 32 Mission street.

Philadelphia, Pa.—George Hoene, 1427 North 27th street.

Janesville, Wis.—Janesville Floral Co., South Main street.

Great Barrington, Mass.—Great Barrington Flower Shop, Theo. Dellert proprietor.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardspier.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The Florist

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Perfect Goods For Particular Florists

THE FOLLOWING ARE A FEW SUGGESTIONS ONLY

from an immense stock and unprecedented variety that we list.

Plant Baskets, Plant Pot Covers, Fern Pot Covers, all sizes and all grades, all descriptions. In any basket ordered from us we can put zinc lining, as we manufacture these ourselves.

Bridal Baskets, Bridal Bouquet Holders, Debutante Bouquet Holders and Paper Bouquet Holders.

Chiffons, all colors and sizes. Waterproof and other exclusive styles. **Wax and Artificial Flowers. Waterproof Paper Pot Covers,** for all size pots, cheap and desirable, in any color. Our No. 3000 Crepe Pot Covers, to fit 3 to 5-inch pot, in all colors, \$1.00 per 100. **Waterproof Crepe Paper** in Roll.

Tin Foil, plain and colored; also a heavy Tin Foil for lining baskets. **Barks,** in all kinds, Birch, Cork and Cedar. **Natural Prepared Ferns,** the greatest variety in the United States. **Sphagnum Moss.**

Artificial Leaves, all styles, white and green. **Metallic Designs,** we are the manufacturers of these goods and can make any design you want. **Magnolia Leaves,** green and brown. **Beech Branches,** prepared, in all colors. **Immortelles,** in all colors.

Wheat Sheaves, our unexcelled brand in flat, standing or open. **Flexible Cycas Leaves.** Don't forget our **Imperial Chinaware,** and **Green Tone Pottery,** in all shapes. When you want real novelties, consult us.

BEAUTIFUL EASTER NOVELTIES NOW ARRIVING

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

Established 1874.

JOHN V. PHILLIPS FLORIST

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y. Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

PERSONAL.

Thomas Evans has taken a position as gardener and greenhouse manager at Hillsdale Floral Park, Hillsdale, Mich.

In Boston this week: W. C. Langbridge, Cambridge, N. Y.; Ed. Roehrs, Rutherford, N. J.; W. Rehm, New York.

Richard E. Hannaford, florist, of Portsmouth, was thrown from his wagon while driving, Saturday, March 25, and severely hurt.

Mr. R. J. Windler, the well known St. Louis retailer, has announced his engagement to Miss Amy Zender of Chicago. Miss Zender is the daughter of a well known florist by that name in Chicago. The marriage will take place in June at the home of the bride's parents in Chicago.

J. W. Page, son of J. H. Page, Hampton, Middlesex, England (a large grower of lilies, carnations and narcissus for the Covent Garden Market), will join the forces of the E. G. Hill Co., Richmond, Indiana, in order to gain American experience and broaden his already extensive horticultural education. Mr. Page was one of the party of English visitors who have been touring this country for the past two weeks.

Recent visitors in Buffalo: George Asmus, Chicago; J. F. Wilcox and family, Council Bluffs, Mo.; E. J. Fancourt, representing Pennock-Meehan Co.; Mr. Zirkman, representing M. Rice & Co., Philadelphia, Pa.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edward MacMullen, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Colo.—Park Floral Co., 1706 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—Wm. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked

1164-66 Greene Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.

EASTER LILIES**\$12.00—\$15.00 per 100****Valley** Fancy, \$4.00 per 100
First, \$3.00 per 100

Valley is very plentiful with us. We can give you good value in this line.

Daisies White and Yellow
\$1.50—\$2.00 per 100**The Leo Niessen Co.****WHOLESALE FLORISTS**

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists**IF YOU**

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES**EDWARDS FOLDING BOX CO**
MANUFACTURERS
PHILADELPHIA, PA.**WELCH BROS.**AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers**PETER REINBERG****WHOLESALE****CUT FLOWERS**

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart**WHOLESALE
FLORIST**

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.**WHOLESALE COMMISSION FLORISTS****CONSIGNMENTS SOLICITED**

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

ROBERT J. DYSART**Public Accountant and Auditor**Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and AdjustedMerchants Bank Building
28 STATE STREET - - - BOSTON

Telephone, Main 58.

In ordering goods please add "I saw
it in HORTICULTURE."**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY**

ROSES	CHICAGO Mar. 28	TWIN CITIES Mar. 28	PHILA. Mar. 28	BOSTON April 6
Ara. Beauty, Fancy and Special...	40.00 to 50.00	40.00 to 50.00	50.00 to 60.00	50.00 to 75.00
Extra	30.00 to 40.00	30.00 to 40.00	25.00 to 35.00	30.00 to 40.00
No. 1	30.00 to 40.00	30.00 to 40.00	25.00 to 35.00	30.00 to 40.00
Lower grades	5.00 to 15.00	10.00 to 20.00	5.00 to 10.00	6.00 to 8.00
Bride, 'Maid, F. & S.	6.00 to 8.00	6.00 to 8.00	8.00 to 10.00	6.00 to 8.00
Lower grades	2.00 to 4.00	4.00 to 6.00	3.00 to 5.00	1.00 to 3.00
Richmond, Chateau, Fancy & Special	8.00 to 10.00	6.00 to 8.00	12.50 to 15.00	6.00 to 10.00
Lower grades	2.00 to 5.00	3.00 to 6.00	3.00 to 8.00	1.00 to 3.00
Killarney, My Maryland, Fan. & Spl.	8.00 to 10.00	8.00 to 10.00	15.00 to 20.00	6.00 to 8.00
Low. grades	2.00 to 5.00	6.00 to 8.00	3.00 to 8.00	1.00 to 3.00
CARNATIONS, First Quality	2.00 to 3.00	3.00 to 4.00	2.50 to 3.00	2.00 to 3.00
Ordinary	1.00 to 1.50	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	35.00 to 50.00	60.00 to 75.00	40.00 to 50.00	30.00 to 40.00
Lilies, Longiflorum	8.00 to 10.00	10.00 to 13.00	12.50 to 15.00	6.00 to 8.00
Lily of the valley	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	8.00 to 10.00
Violets	1.00 to 1.50	.50 to 1.25	.50 to .75	.10 to .40
Mignonette	3.00 to 5.00	4.00 to 5.00	3.00 to 4.00	2.00 to 6.00
Lilac, per bunch	1.00 to 1.50	.50 to 1.00	.75 to 1.00	1.00 to 1.50
Tulips	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 3.00
Roman Hyacinths, Paper Whites	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.00 to 1.50
Daffodils	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.00 to 1.50
Freesia	1.00 to 1.50	1.00 to 1.25	1.00 to 2.00	50 to 1.00
Snapdragon	1.00 to 1.50	1.00 to 1.25	1.00 to 2.00	50 to 1.00
Sweet Peas	.75 to 1.00	.75 to 1.25	.50 to 1.00	.50 to .75
Gardenias	40.00 to 50.00	20.00 to 30.00	10.00 to 20.00	10.00 to 25.00
Adiantum	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00
" " & Soren. (100 bchs.)	25.00 to 40.00	25.00 to 35.00	35.00 to 50.00	35.00 to 50.00

WHOLESALE FLOWER MARKETS.—PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI Mar. 28	DETROIT April 3	BUFFALO April 4	PITTSBURG April 4
Am. Beauty, Fan. and Sp.	12.00 to 20.00	25.00 to 50.00	35.00 to 40.00	40.00 to 50.00
Extra	8.00 to 10.00	25.00 to 35.00	25.00 to 30.00	20.00 to 30.00
No. 1	4.00 to 6.00	18.00 to 22.00	10.00 to 15.00	10.00 to 15.00
Lower grades	2.00 to 3.00	6.00 to 1.00	3.00 to 5.00	1.00 to 6.00
Bride, 'Maid, F. & S.	4.00 to 6.00	6.00 to 8.00	5.00 to 10.00	8.00 to 10.00
Low. gr.	2.00 to 3.00	4.00 to 6.00	3.00 to 8.00	4.00 to 6.00
Richmond, Chateau, Fancy & Special	4.00 to 6.00	6.00 to 8.00	10.00 to 12.00	8.00 to 12.00
Lower Grades	2.00 to 3.00	4.00 to 6.00	5.00 to 8.00	4.00 to 6.00
Killarney, My Maryland, Fan. & Spl.	4.00 to 6.00	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00
Low Grades	2.00 to 3.00	4.00 to 6.00	5.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality	2.00 to 3.00	2.00 to 3.00	2.50 to 3.00	2.00 to 3.00
Ordinary	1.00 to 2.00	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	35.00 to 50.00	40.00 to 50.00	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum	10.00 to 12.00	12.50 to 15.00	10.00 to 12.00	6.00 to 10.00
Lily of the Valley	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets	.35 to .50	.50 to .75	.40 to .50	.35 to .50
Mignonette	10.00 to 15.00	1.00 to 1.50	2.00 to 4.00	6.00 to 8.00
Lilac, per bunch	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Tulips	2.00 to 4.00	3.00 to 4.00	2.00 to 3.00	1.00 to 4.00
Roman Hyacinths, Paper Whites	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Daffodils	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Freesia	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
Snapdragon	8.00 to 12.00	3.00 to 5.00	5.00 to 7.00	6.00 to 8.00
Sweet Peas	1.00 to 1.50	.50 to 1.00	.50 to 1.00	.35 to 1.00
Gardenias	40.00 to 50.00	20.00 to 30.00	10.00 to 20.00	10.00 to 25.00
Adiantum	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax	12.00 to 15.00	15.00 to 20.00	15.00 to 20.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	25.00 to 35.00	25.00 to 35.00	35.00 to 50.00	35.00 to 50.00
" " & Soren. (100 bchs.)	20.00 to 25.00	20.00 to 30.00	35.00 to 50.00	35.00 to 50.00

Flower Market Reports

BOSTON Trade is certainly very quiet in this market—worse than it has been at any time during the present season. The public seem to be in a waiting mood and are not disposed to let any more money go out for flowers than they can help. No doubt they will make up for it next week but, in the meantime, the situation is more than tiresome. As to prices they have been going down and down and have now reached a very low level, which does no good to anybody, as nobody wishes to buy. Next week will, no doubt, see a bracing up of prices and backbones all along the line.

BUFFALO Winter weather was the condition the past week though a very satisfactory business was done. Stock was plentiful on most lines, especially carnations, which came in heavy supply. White Perfection is very fine also Winsor, White Lawson, Pink Delight, Victory, Melody and Ideal. There has also been a good supply of roses, especially white. Kaiserin has been added to the list and good stock is received. There is a good demand for peas, mignonette, lilies and Victoria daffodils but lily of the valley is still on quiet side. Smilax is a little short in supply, also asparagus in bunches. Good ferns are scarce and price rules high. The outlook for Easter business is bright and advance orders are being received.

CHICAGO The market has had its ups and downs during the past week. Some days would make the largest dealers exhaust their supply of stock to fill orders, only to have a surplus on other days. Of carnations was this especially true, the demand being stronger on the average this week than last. A decided check has been put on stock along all lines, by the cold and stormy weather and it may result in material advantage when Easter sales are footed up. Roses of all kinds are coming in now at about a normal pace for the season and many are worked off this week by the spring openings in the large stores. Bulbous stock is still plentiful and southern shipments are bringing more into the market than can be handled to advantage. Callas are in good demand for large blooms. Spanish iris, snapdragons, narcissus of all kinds, including Emperor and the smaller white Mrs. Langtry, give the buyer plenty to select from. Common ferns are remarkably scarce and are bringing four dollars per thousand.

DETROIT Last week produced enough work for most all of us to fully make up for the slow days experienced the week previous and the good business booked for next week we may safely say that the dreaded Lenten season has passed without injury to our bank account. Wholesalers have satisfactorily escaped the glut so usual at this time of the year. Carnations, roses and sweet peas are coming in good in quality as well as quantity and are cleaned up at fair prices. Bulbous stock is dragging to a great extent.

(Continued on page 54)

EASTER LILIES



Some people say "We can buy all the Lilies we want at 10c. and 12c." So they can, but what kind of stock is it. Such Lilies are very much more expensive; ours at 15c. are by far the cheapest, no waste, no short runty stock, but all choice, well grown, long stemmed flowers and very carefully packed, too. Per 100, \$15.00.

GARDENIAS

Special, per doz., \$4.00. Fancy, per doz., \$3.00. First, per doz., \$2.50.

VALLEY

Special, per 100, \$4.00. Extra, per 100, \$3.00.

CARNATION SPECIAL

Our selection as to colors, in lots of 500 or more, the best quality at \$6.00 per 100.

MELODY

Awarded Silver Medal (86 points) at the National Flower Show, Boston, 1911

S. S. PENNOCK - MEEHAN CO.

THE Wholesale Florists of PHILADELPHIA

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The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758

Telegraph, Telephone or Bring in Your Orders.

We Grow Our Own Flowers.

Roses and Carnations Our Specialty

ALWAYS GOOD FRESH STOCK

NEWS NOTES.

Great Barrington, Mass.—E. B. Dilby of Pittsfield, has purchased the greenhouses of Theo. Dellert.

Maspeth, N. Y.—Emil Braun, florist, has just left the St. John's Hospital,

Long Island City, a comparatively well man after a most remarkable surgical operation. Although a similar operation has been attempted a number of times before, the percentage of recovery has been very small. Mr. Braun is to be congratulated on the outcome.

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

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Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

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All choice cut-flowers in season. Send
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shippers of first-class stock invited.
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Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
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Madison Square New York

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Wholesale Florist
55 & 57 W. 26th St., New York
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45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519
5803 Madison Sq. 113 W. 28 St., New York.

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Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes. The HOME OF THE LILY
by the 100, 1000 or 10,000
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Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Apr. 1 1911		First Half of Week beginning Apr. 3 1911	
American Beauty, Fancy and Special.....	35.00	to 50.00	35.00	to 50.00
" " Extra.....	30.00	to 30.00	30.00	to 30.00
" " No. 1.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Field, Extra and Special.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateaux, Extra and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killarney, My Maryland, Extra and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Carnations, First Quality.....	1.50	to 2.00	1.50	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1665 } Madison Square CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
CONSIGNMENTS SOLICITED
136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

CHARLES WEISS & SONS

127 WEST 28TH ST., NEW YORK
Telephone 1202 Madison Square

Wholesale Florists

Receivers and Growers of Cut Flowers.
Consignments Solicited.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in
Glassware, Decorative Greens and Florists' Requisites

Flower Market Reports

(Continued from page 547)

The New York Herald in common with several Chicago dailies comes out with a scare head about the threatened shortage in the Easter lily crop. In and about the wholesale flower districts in this city, however, nobody feels any alarm as to the prospects for lilies or any other flower which the market provides for Easter. The situation at present is one of extreme dullness, characterized by a very light demand rather than by an excessive supply. Plant dealers are pretty well sold out in advance. Warmer and sunnier weather must be had for the next few days if the quality of stock generally is to be up to the standard. All are hopeful for a big successful Easter.

A canvass of the PHILADELPHIA wholesale centers here indicates that present market conditions compare favorably with a year ago—meaning not the same date but the same length of time before Easter. There is no marked increase in prices reported yet the trading is of large volume, and the clearance of surpluses is perhaps a little better than heretofore. It is thought that had milder weather conditions prevailed a still better average report would have been in order. Roses have been coming in quite liberally but nothing like what would have been the case if the weather had been milder. There is a good demand for carnations but prices rule low. Single violets are about over and the indications are that even doubles will be scarce for Easter—and that lily of the valley and sweet peas will have to be relied on to take their place. There will be no medium American Beauties for Easter—the specials and the shorts being about all that are in sight at present. Richmonds will also be scarce and dealers are going very slow about making large engagements in advance on these. Orchids have been plentiful and the demand rather sluggish for several weeks back, and forecasts of Easter trading in this item favor lower figures than ruled last year. Lilies seem to be in normal supply here and, as usual all kinds of prices, from 6 to 17 cents, are being asked. We think there is no scarcity; but that notwithstanding that condition good prices will be readily paid for first-class stock. Daffodils are plentiful now but it is doubtful if the southern stock will last until Easter



**BUY
BOSTON
FLOWERS**

N. F. MCCARTHY & CO.,
84 Hawley St.

**BOSTON'S BEST
HOUSE**

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

	Last Half of Week ending Apr. 1 1910		First Half of Week beginning Apr. 3 1911	
MISCELLANEOUS				
Cattleyas.....	25.00	to 40.00	25.00	to 40.00
Lilies, Longiflorum.....	5.00	to 6.00	5.00	to 6.00
" Lancifolium.....	5.00	to 6.00	5.00	to 6.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.15	to .30	.15	to .30
Mignonette.....	2.00	to 5.00	2.00	to 5.00
Lilac, per bunch.....	.50	to .75	.50	to .75
Tulips.....	1.00	to 3.00	1.00	to 3.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snopdragon.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas (per 100 bunches).....	2.00	to 8.00	2.00	to 8.00
Gardenias.....	15.00	to 25.00	15.00	to 25.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" " & Sprm. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

week. A fairly good supply of greenhouse-grown are in sight. Gardenias, lilac, antirrhinum, etc., are in first-class shape and promise to be in active demand.

ST. LOUIS The market last week showed some changes from last report and prices varied greatly from the week previous. Stock of all kinds was very much more than the local trade could consume on any one day and all the commission houses were loaded down with all seasonable stock of extra good quality. The demand was mostly for the better grade of stock, which sold at greatly reduced prices. Carnations brought \$2 per 100 for extra fancy but the bulk of them did not bring over \$10 per 1000. Sweet peas, too, were sold cheaper than any time this season with plenty left over after morning sales. Roses, the best select fancy, brought not over \$8 per 100 and good stock at \$5. Beauties have been scarce all week. Richmond, White Killarney and Killarney sold best. Violets are keeping up well but are smaller. Lilies are in abundance at \$8 to \$10 per 100 and it looks as though we will be well supplied for Easter. The retailers say they had a splendid March business.

Gary, Ind.—With the intention of building greenhouses and establishing a florist business here, George Poole, florist of Gloversville, N. Y., has been here looking over property.

NEWS NOTES.

Brush Valley, Pa.—John Keller has purchased the greenhouse of John Spayd.

Sellersville, Pa.—A Mr. Jackson has purchased the greenhouse of Herbert S. Nase and will use the greenhouse to grow flowers.

Indianapolis, Ind.—The Pahud Floral Co. contemplates building a range of houses as reported in another column. They also intend to remodel office at a cost of \$2500, the total cost of improvements will be \$9450.

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
USE BY THE



Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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AGERATUMS

Ageratum Stella Gurney, 2½, \$1.75, 3½ \$5.00; very bushy rooted cuttings 50c per 100. C. H. Jacobs, Westfield, Mass.

Ageratum, Rooted cuttings, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS

Alternanthera, 2 inch, red and yellow, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AQUATICS

Wm. Tricker, Arlington, N. J.
Water Lilies.

For page see List of Advertisers.

Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.

For page see List of Advertisers.

Asparagus Sprengeri, strong, thrifty, 2½ and 3-in., 3c and 4c. Cash.
John F. Flood, Montvale, Mass.

Asparagus S., 4 inch, at \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.
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James Vick's Sons, Rochester, N. Y.
High Grade Asters.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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H. Frank Darrow, New York, N. Y.
Azalea Indica Novelties.

BAY TREES.

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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A. N. Pierson, Inc., Cromwell, Conn.
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BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

Begonia Erfordii, 3-in., extra strong, ready for 4 or 5-in., \$5.00 per 100. Begonia gracilis Ruby, newest and best for bedding purposes. 2½-in., \$4.00 per 100; 3-in., extra strong, \$6.00 per 100. Cash with order, please. Hope Greenhouses, 279 Mass. Ave., Providence, R. I.

BOILERS

BOILERS. "Burnham" Boilers made for greenhouse heating. Lord & Burnham, 1133 Broadway, N. Y.

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BUILDING MATERIAL

BUILDING MATERIAL of all description for All Cypress, Semi-Iron, Iron Frame or Truss Houses. Hot Bed Sash and Frames. Lord & Burnham Co., 1133 Broadway, N. Y.

BULBS AND TUBERS

Henry A. Dreer, Inc., Philadelphia, Pa.
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Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.
Horseshoe Brand

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
Begonias, Gloxinias.

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E. S. Miller, Wading River, N. Y.
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Gt. Van Waveren & Kruijff, Sassenheim, Holland.

Bulbs, Spireas, Dahlias, etc.

CANNAS

Wood Bros., Fishkill, N. Y.
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Cannas, 4 inch, under name Extra Strong, \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.

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Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J.
Carnation White House.

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F. Dörner & Sons Co., Lafayette, Ind.
Two New Carnations.

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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.

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Wood Bros., Fishkill, N. Y.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Poehlmann Bros., Morton Grove, Ill.
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Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

3000 Carnation Splendor, 2½ inch pots, \$20.00 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

Carnation James Whitcomb Riley (Lawson seedling), the best yellow, \$6.00 per 100. Bertermann Bros. Co., Indianapolis, Ind.

New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.

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S. J. Reuter & Son, Inc., Westerly, R. I.
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Elmer D. Smith, Adrian, Mich.

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A. N. Pierson, Inc., Cromwell, Conn.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums; rooted cuttings, Robert Halliday, Golden Glow, Ivory, Minnie Bailey, J. Jones, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

CINERARIAS

Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

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CLEMATIS

Clematis paniculata, strong 3-year, \$1.00 per 10, \$7.50 per 100, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100.
F. A. Baller, Bloomington, Ill.

COBEAS

Cobeas, 4 inch., at \$10.00 per 100. The Geo. Witthold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

A. N. Pierson, Inc., Cromwell, Conn.
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E. Vincent, Jr. & Sons Co., White Marsh, Md.
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Coleus rooted cuttings, trailing, for vase and basket, 60c prepaid.
J. F. Sked, Florist, Westerville, O.

Coleus, yellow, red and variegated, 2-in., heavy, \$2.00 per 100.
Wagner Park Conservatories, Sidney, Ohio.

CONIFERS.

Eastern Nurseries, Jamaica Plain, Mass.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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CUT FLOWER BOXES.

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.
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E. Vincent, Jr. & Sons Co., White Marsh, Md.
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Gt. Van Waveren & Kruijff, Sassenheim, Holland.

45,000 field-grown clumps, 2c and up. List ready. H. W. Koerner, Sta. B., Milwaukee, Wis.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

Dahlias, 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

Dahlia Bulbs for retail trade, \$3 per 100, \$25 per 1000. Each bulb labeled with name, variety and color; 100 lots will contain 5 each of 20 varieties, including Cactus, Show, Decorative, etc.

DAISIES

Giant double Daisies, mixed, \$2.50 per 1000; 100 prepaid, 40c. Chas. Frost, Kenilworth, N. J.

Marguerites, white. Nice 2½-in. stock, ready for 4-in., \$3.00 per 100.
Wm. Eschrich Co., North Milwaukee, Wis.

Daisies, Marguerites, 4 and 4½ in., nicely budded, \$10.00 per 100. Cash.
John Fuhlbrunegger, Winona, Minn.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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EASTER FLOWER SHIPMENT

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Julius Roehrs Co., Rutherford, N. J.
Easter Plant Novelties.
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Anton Schultheis, College Point, N. Y.
Flowering and Foliage Plants.

Robert Craig Co., Philadelphia, Pa.
Easter Stock.

Thomas Roland, Nahant, Mass.

EASTER PLANTS WANTED

C. C. Trepel, Bloomingdale's, New York, N. Y.
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ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100.
Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, West Newbury, Mass.
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Eastern Nurseries, Jamaica Plain, Mass.
Broad-Leaved Evergreens.
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Rosedale Nurseries, Tarrytown, N. Y.
Large Evergreens.

FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Diabes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Thomas Roland, Nahant, Mass.

Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock, Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash. A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kerran Co., New York.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Red Wing, the best 1910 novelty, deep cardinal red. Rooted cuttings, 75c. per doz., prepaid, Chas. Frost, Kenilworth, N. J.
Geraniums, Mme. Sallerol, 2¼-in., strong cool grown plants, \$2.00 per 100; special price on 1000.

J. L. Stone, Trumansburg, N. Y.

Mme. Sallerol geraniums, 2½-in., heavy plants, \$3.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.
Silver Leaf Geranium—Mme. Sallerol, strong stock, 2 inch pots, ready for immediate shift, \$2.00 per hundred; thousand lots, \$18. Cash, please. Round Lake Greenhouses, East Lenox, Penna.

GLADIOLI

Frank Banning, Kinsman, Ohio.
Gladiolus "Niagara."

Gladiolus Bulbs. Groff's Hybrids, white and light, pink and shades of pink; 1st size, \$7 per 1000; 2nd size, \$4 per 1000. Blue heliotrope and lavender mixture, \$10 per 1000, 1st prize; 250 at 1000 rates.

C. Peirce, Dighton, Mass.

Send for our list of choice gladioli and dahlias. Cushman Gladiolus Co., Sylvania, O.

In writing to Advertisers kindly mention Horticulture

GLASS

- Boston Plate & Window Glass Co., Boston.
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- Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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- Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.
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- Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.
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- Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.
- Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset, Boston.
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- King Construction Co., N. Tonawanda, N. Y.
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- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.
Lord & Burnham Co.,
1133 Broadway, New York.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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- GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GLOXINIAS

- F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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GREENHOUSE CONSTRUCTION

- Foley Mfg. Co., Chicago.
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- King Construction Co., N. Tonawanda, N. Y.
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- A. T. Stearns Lumber Co., Boston, Mass.
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- D. Iliffe, Boston, Mass.
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- Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.
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- Hitchings & Co., 1170 Broadway, N. Y.
Lord & Burnham,
1133 Broadway, New York.
- GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

- GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.
- King Construction Co., North Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

- Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY DELPHINIUMS

- Henry A. Dreer, Inc., Philadelphia, Pa.
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HARDY FERNS AND SUPPLIES

- H. M. Roblason & Co., Boston, Mass.
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- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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- The Kervan Co., New York.
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- Crowl Fern Co., Millington, Mass.
Decorative Material.

HEARTLEY'S MOLE TRAP

- George W. Heartley, Toledo, Ohio.

HEATING APPARATUS

- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- Lord & Burnham Co.,
1133 Broadway, New York.

HELIOTROPES.

- Heliotrope, dark blue, 2 1/4 in., \$2.00 per 100; 3 1/4 in., \$6.00. Very bushy rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

- P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- James Backhouse & Son, Ltd., York, England.
Alpine and Herbaceous Plants.
For page see List of Advertisers.

HOLLYHOCKS

- Hollyhocks. Double field grown, large blooming size. Separate colors: Red, white, pink, yellow, maroon, bronze and black; also Allegheny strain in mixed colors. All at \$3.00 per 100; \$25.00 per 1000. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

HOSE

- H. A. Dreer, Philadelphia, Pa.

HOT-RED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
For page see List of Advertisers.
- Foley Mfg. Co., Chicago.
For page see List of Advertisers.
- Parshelsky Bros., Brooklyn, N. Y.
For page see List of Advertisers.
- Lord & Burnham Co., 1133 Broadway, N. Y.

INSECTICIDES.

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
For page see List of Advertisers.
- Nicoticide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
For page see List of Advertisers.
- Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.
For page see List of Advertisers.
- Aphine Manufacturing Co., Madison, N. J.
Aphine.
For page see List of Advertisers.
- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
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- H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
For page see List of Advertisers.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IVIES

- Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.
- English Ivies, 2 1/4 inch in p-ts. \$4.00 per 100; well rooted cuttings, \$1.00 per 100. \$9.00 per 1000. Home Nursery, Norwood, R. I.

IRIS

- Bobbink & Atkins, Rutherford, N. J.
German and Japanese Iris.
For page see List of Advertisers.

JAPAN MAPLE

- Japan Maple in leaf, 6 inch, \$1.00 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

KENTIAS

- A. Lenth & Co., Roslindale, Mass.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

LANDSCAPE GARDENING COURSE

- Home Correspondence School, Springfield, Mass., Dept. 8.
For page see List of Advertisers.

LILIES

- For Sale—Decorative Lilies in pots. E. M. Ingalls, P. O. Box 135, West Lynn, Mass. Trade supplied. Prices right.

LILIUM MULTIFLORUM AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
For page see List of Advertisers.

LILY OF THE VALLEY CLUMPS

- Wm. Elliott & Sons, New York.
For page see List of Advertisers.
- Lily of the Valley Clumps, \$6.00 per 100. Julius Roehrs Co., Rutherford, N. J.

LILY OF THE VALLEY PIPS

- "Buds," New York, N. Y.
For page see List of Advertisers.

NICO-FUME

- Kentucky Tobacco Product Co.,
Louisville, Ky.
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NIKOTEEEN APHIS PUNK

- Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

- P. Ouwerkerk, Weehawken Heights, N. J.
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- New England Nurseries, Bedford, Mass.
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- W. & T. Smith Co., Geneva, N. Y.
For page see List of Advertisers.
- Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.
- T. C. Thurlow's Sons, Inc.
West Newbury, Mass.
For page see List of Advertisers.
- Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
For page see List of Advertisers.
- Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.
- McHutchison & Co., New York, N. Y.
Direct Importations.
For page see List of Advertisers.
- August Rolker & Sons, New York, N. Y.
Importers for Florists and Nurserymen.
- Harrison's Nurseries, Berlin, Md.
For page see List of Advertisers.

American Forestry Co., So. Framingham, Mass.

Forest, Shade and Ornamental Trees.

Daniel A. Clarke, Fliskeville, R. I.
Ornamental Trees, Shrubs, Vines, Etc.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SEED

- Schluder Bros., Chillicothe, Ohio.
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ONION SETS

Leonard Seed Co., Chicago, Ill.
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Schilner Bros., Chillicothe, Ohio.
For page see List of Advertisers.

S. D. Woodruff & Sons, New York, N. Y.
For page see List of Advertisers.

Choice, sound, unsprouted onion sets.
Yellow, \$1.20; red, \$1.25; white, \$1.60 per
\$2 lb. bushel. Sacks included. Sluis Seed
Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
For page see List of Advertisers.

Ordonez Bros., Madison, N. J., Box 106.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
For page see List of Advertisers.

John De Buck, New York, N. Y.
Orchid Importations.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PANDANUS

Pandanus Veltchii cuttings, \$1.00 per 25,
post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies,
\$3.50 per 1000; 100 prepaid, 50c. Chas.
Frost, Kenilworth, N. J.

Pansy plants, Coburn's strain, finest
mixed, from cold frame, 60c per 100, post-
paid. Cash.

Fred E. Holland, Highland, Ill.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

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A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.

PELARGONIUMS

Pelargoniums. Surplus stock, large and
fine, ready for shift; Mrs. Loyal, \$4.00 per
100; Surprise, Mad. Vibert, Linda, \$5.00
per 100. A. D. Root, Wooster, Ohio.

PEONIES

PEONIES—1200 sorts, an enormous stock.
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PHLOX

Surplus stock. Phlox, all colors mixed,
cheap. Also gladiolus bulbs. Write for
prices.

E. T. Flanagan & Sons, Belleville, Ill.

PLANT STAKES

Seele's Tieless Plant Stakes and Trell-
ises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros. Co., 466 Erie St., Chicago.

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Buxton Doane Co., 13 Midway St., Boston.

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Metropolitan Material Co., Brooklyn, N. Y.

For page see List of Advertisers.

PIPE AND FITTINGS. Cast iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PRIVET

Emil Wohlert, Narberth, Pa.
California Privet.

For page see List of Advertisers.

50,000 2-year California privet, cut back
once and well branched, 1 to 2 ft., \$12.00
per 1000; 2 to 3 ft., \$15.00 per 1000.
Chas. L. Smith, Penns Grove, N. J.

California privet, 3 to 5 branches, 12 to
18 in., \$7.00 per 1000; 18 to 24 in., \$9.00
per 1000; 2 to 3 ft., \$12.00 per 1000. 5 to
8 branches, 18 to 24 in., \$12.00 per 1000;
2 to 2½ ft., \$15.00 per 1000; 2½ to 3 ft.,
\$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000;
8 to 12 in., for lining out, \$4.00 per 1000.
F. O. B. Cash with order. 250 at 1000
rate. Southside Nurseries, Chester, Va.

200,000 California Privet, fine 2-year-old
stock, No. 1, 18 to 24 in., \$13.00 per 1000;
24 to 30 in., \$18.00 per 1000; 2½ to 3 ft.,
\$22.00 per 1000; 3½ to 4 ft., 3 year-old,
\$30.00 per 1000. 100 rates, \$1.75, \$2.25, \$2.75,
\$4.00, up to 250. Clematis Paniculata XXX,
fine 2-year-old vines, \$9.00 per 100. Am-
pelopsis vetchii, extra fine 2-year-old vines,
2½ to 4 ft., \$9.00 per 100, and fine
1-year-old vines, 2 to 3 ft., \$4.00 per 100.
All field grown and packed free cash.
Benjamin Connell, Florist, Merchantville,
N. J.

REFRIGERATORS

McCray Refrigerator Co., Kendallville, Ind.

RHODODENDRONS

John Waterer & Son, Bagshot, England
Hardy and Forcing Varieties.
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P. Ouwerkerk, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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RIBBONS AND CHIFFONS

M. Rice & Co., 1220 Race St., Phila., Pa.
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S. S. Pennock-Meehan Co., Philadelphia,
Pa.
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ROSES

N. F. McCarthy & Co., Boston, Mass.
Dark Pink Killarney Rose.

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P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Poehlmann Bros., Morton Grove, Ill.
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W. & T. Smith Co., Geneva, N. Y.
American Grown Roses.

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Robert Craig Co., Philadelphia, Pa.
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Bay State Nurseries, North Abington, Mass.
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S. J. Reuter & Son, Inc., Westerly, B. I.
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S. S. Pennock-Meehan Co., Philadelphia, Pa.
Rose "Melody."

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Shatemuc Nurseries, Barrytown, N. Y.
The Shatemuc Rose.

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A. N. Pierson, Inc., Cromwell, Conn.
Roses for 1911.

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Bassett & Washburn, Chicago, Ill.
Grafted Rose Plants.

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Wm. Tricker, Arlington, N. J.
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Wanted Rose plants of any kind Mel-
rose Garden Co., 90 Melrose St., Provi-
dence, R. I.

SALVIA

Salvias, 2 inch, at \$20.00 per thousand.
The Geo. Wittbold Co.'s Edgebrook Green-
houses and Nurseries, Edgebrook, Chicago,
Ill.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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Miami Valley Seed Co., New Carlisle, Ohio.
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S. D. Woodruff & Sons, New York, N. Y.
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C. C. Morse & Co., San Francisco, Cal.

SEEDS

ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.

PETER MACK, ORLANDO, FLA.

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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Rickards Bros., 37 E. 19th St., New York.
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Henry F. Mitchell Co., Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia.
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Arthur T. Boddington, New York.
Quality Sweet Peas.
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R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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Fottler, Fiske, Rawson Co., Boston, Mass.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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"Buds," New York, N. Y.
Gerbera Jamesoni Magnifica.

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In writing to Advertisers kindly mention Horticulture

SEEDS—Continued

- The W. W. Barnard Co., Chicago, Ill.
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- Miami Valley Seed Co., New Carlisle, Ohio.
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- S. D. Woodruff & Sons, New York, N. Y.
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- J. Boigiano & Son, Baltimore, Md.
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- Weeber & Don, New York, N. Y.
Florists' Flower Seeds.
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- O. V. Zangen, Hoboken, N. J.
Reliable Seeds.
- Francis Brill, Hempstead, L. I., N. Y.
Choice Seeds.

SPIREA

Spirea Gladstone in bud; nice plants, \$4.00 per dozen; Easter prices, in bloom \$6.00 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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STRAWBERRY PLANTS

"Dewdrop," ever bearing, largest in the world, color rich crimson, no green tips, combines flavor of pineapple and wild strawberry, unexcelled shipping qualities. Free circular. H. F. Dew, Albion, Mich.

Wilfrid Wheeler, Concord, Mass.
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SWEET PEAS

Arthur T. Boddington, New York, N. Y.
Boddington's Sweet Peas.

TANDEM GARDEN CULTIVATOR

The Schaible Mfg. Co., Elyria, O.
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TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Asparagus Conover's and Mammoth White at 75c per 100, \$5.00 per 1000. Wagner Park Conservatories, Sidney, Ohio.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway, N. Y.

VINCAS

Vinca variegata rooted cuttings, \$1.00 per 100; \$8.00 per 1000. Orders booked for delivery at any time. Russell Bros., R. R. 4, Syracuse, N. Y.

Vinca variegata rooted cuttings, 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gillmet, Moylan, Del. Co., Pa.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPLICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

- N. F. McCarthy & Co., 84 Hawley St.
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- Welch Bros., 226 Devonshire St.
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- H. M. Robinson & Co., 15 Province St. and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

- Chas. W. McKellar, 51 Wabash Ave.
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- Peter Reinberg, 51 Wabash Ave.
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- Hoerber Bros., Atlas Block, 51 Wabash Ave.
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- Poehlmann Bros. Co., Morton Grove, Ill.
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- J. A. Budlong, 37-39 Randolph St.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 318 Walnut St.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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New York

- M. C. Ford, 121 W. 28th St., New York.
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- H. E. Froment, 57 W. 28th St., New York.
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- E. C. Horan, 55 W. 28th St., New York.
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- A. H. Langjahr, 55 W. 28th St., New York.
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- James McManus, 42 W. 28th St., New York.
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- W. F. Sheridan, 133 W. 28th St., New York.
For page see List of Advertisers.
- Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
For page see List of Advertisers.
- Moore, Hentz & Nash, 55 and 57 W. 28th St., New York.
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- Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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- A. L. Young & Co., 54 W. 28th St., N. Y.
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- J. K. Allen, 106 W. 28th St., New York.
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- Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.
- P. J. Smith, 49 West 28th St., N. Y.
For page see List of Advertisers.
- B. S. Slinn, 55 and 57 West 26th St., N. Y.
For page see List of Advertisers.
- Frank Millang, New York, N. Y.
For page see List of Advertisers.
- Traendly & Schenck, New York, N. Y.
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- Badgley, Riedel & Meyer, Inc., New York.
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- A. Moltz & Co., New York, N. Y.
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- Siebrecht & Siebrecht, 136 West 28th St., New York.
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- Charles Weiss & Sons, New York, N. Y.
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WHOLESALE FLORISTS—**Continued****Philadelphia**

- Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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- The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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New Offers in This Issue.**AUCTION SALE OF EASTER PLANTS.**

The Fruit Auction Co., New York, N. Y.
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BARGAINS IN ORCHIDS.

John Schoemer, New York, N. Y.
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BIG BARGAINS IN SEEDS.

J. Boigiano & Sons, Baltimore, Md.
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DECORATION DAY ROSES.

Arthur T. Boddington, New York, N. Y.
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EASTER LILIES, GARDENIAS, VALLEY, CARNATIONS, MELODY.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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HOLLYHOCKS.

George F. Kimbel, Flourtown, Pa.
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LILIES AND SPIREA FOR EASTER.

Brant Bros., Utica, N. Y.
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MASTICA.

F. O. Pierce Co., New York, N. Y.
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NEPHROLEPIS ROOSEVELT.

Good & Reese Co., Springfield, Ohio.
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PEBBLED PLEATED PAPER.

M. Rice & Co., Philadelphia, Pa.
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SEEDS, ASPARAGUS PLUMOSUS AND SPRENGERI, STRAWBERRY GUAVA, SMILAX.

C. H. Gardiner, South Pasadena, Calif.
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STRAWBERRY PLANTS.

Wilfrid Wheeler, Concord, Mass.
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Little Ads Bring Big Returns

Little ads in our Classified Columns bring big returns to both advertiser and purchaser.

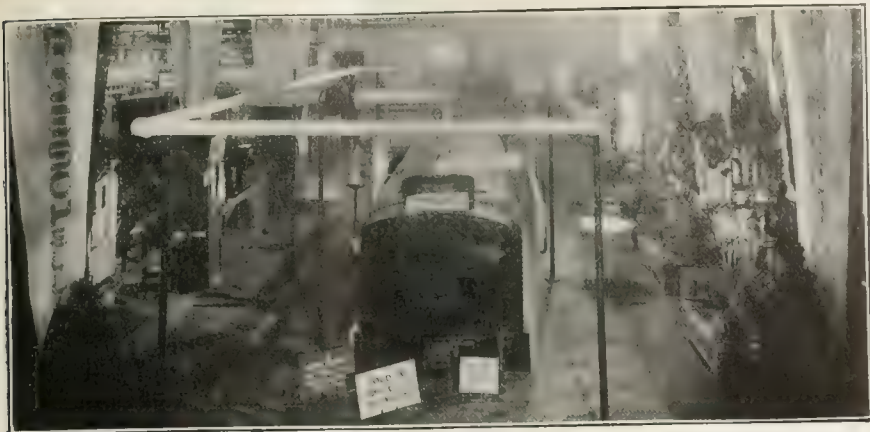
Anything that can be sold to florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium in this department, and at very small cost.

Don't fail to read them each issue, for you will find one or more that will prove profitable to you.

They Cost Only One Cent a Word Undisplayed

For List of Advertisers See Page 556

KROESCHELL EXHIBIT AT NATIONAL FLOWER SHOW.



Fred Lautenschlager, representing Kroeschell Bros. Co., Chicago, reports a good week at the National Flower Show, having sold a boiler to George

W. Marshall, Medfield, Mass., for 15,000 feet of glass and receiving several orders for delivery in the near future.

Obituary.

William A. Blaedel.

William A. Blaedel, for many years a florist at 252 West 23rd street, New York, N. Y., died March 15th. The business will be continued under the firm name of W. C. Blaedel & Sons.

Miss Fannie M. Anderson.

On March 20th, Miss Fannie M. Anderson, of Anderson & White, florists, Lexington, Ky., passed away. Miss Anderson has been associated with Miss White for many years, starting in a very small way, building up a very fine business.

William Schlatter.

William Schlatter, Springfield, Mass., died at his home on March 27th, at the age of 64 years. He was born in Switzerland and for many years had charge of the greenhouses and grounds of the Thompson Estate. In partnership with his son he ran a prosperous greenhouse business on Bay street. He leaves a widow, two daughters and one son.

Harry Yager.

News of the death of Harry Yager was heard with regret, April 1st, by his many friends among the florists of Chicago. Though not in the business himself, he was the husband of Emily Schiller Yager, and so was intimately acquainted with many in the trade, and the future flower shows in Chicago will not seem the same without Harry in the office.

NEWS NOTES.

Babylon, N. Y.—Twenty-five acres of land on Udalls's Road have been purchased by Mrs. William Arnold where she will erect commercial greenhouses.

Davenport, Iowa.—The stock of the Davenport Nursery Co., Fernwood avenue and Locust street, was sold on March 28th to G. L. Lewis of Evanston, Ill. The sale included all the stock and fixtures belonging to the nursery proper, the purchase price being stated as \$2500.

E. H. WILSON ARRIVES IN BOSTON.

On Thursday evening, April 6, this noted Asiatic explorer arrived in Boston on his return from the tragic collecting tour in Northern China which came so near costing him his life. He was at Vancouver on April 2 and



E. H. WILSON

came via Montreal and was met at the North Station, Boston, by Messrs. Farquhar, Dawson, Thatcher and Stewart, who extended to him a joyous welcome to the Hub.

St. Louis.—Friday, April 7, Arbor day will be celebrated, and trees and flowers will be planted by the school children. One enterprising department store, known as the Grand Leader, has advertised that they would have 200,000 catalpa trees, beginning Monday, April 3d, to sell to the school children at 1 cent each. The first day's sale was heavy.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. National Labor Exchange, 918 Walnut St., Phila., Pa. HENRY C. PRICE

WANTED—Two first-class greenhouse men. State qualifications and salary expected. W. M. W., care HORTICULTURE.

WANTED—Man with general knowledge of ornamental nursery stock, landscape planting, etc. Address N. D. Pierce, Norwood, R. I.

MAN with some experience in landscape or ornamental gardening; able to sell goods. Excellent opportunities to advance. "P. D.," care HORTICULTURE.

HELP WANTED—An experienced plant grower to work under foreman; send references and wages expected to Thomas Roland, Nahant, Mass.

WANTED—Outside foreman; a young man accustomed to managing a large force of men in nursery. State salary expected, and qualifications. M., care HORTICULTURE PUB. CO.

WANTED—An energetic and industrious florist to take charge of a small plant to grow stock for local trade and assist in nursery work and landscape gardening. Wages, \$60.00 per month. Apply to the Continental Nurseries, Franklin, Mass.

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EXPERIENCED in florist store, understand care of greenhouse, steady, reliable, best references. T. B., care HORTICULTURE.

FOREMAN in commercial greenhouse, 20 years' experience here and abroad, specialized in cucumbers, tomatoes, carnations. Steady, reliable, good references. "C. T.," care HORTICULTURE.

GARDENER—private estate. Understands gardening under glass and outside. Good experience, reliable, sober, good worker. Best references. "B. T.," care HORTICULTURE.

SITUATION WANTED by first class florist at once. 20 years' experience with general greenhouse stock. Married, reliable, well recommended and hard worker. Address O. K., care HORTICULTURE.

HEAD GARDENER, thirty-nine, life experience Britain and America. Manage gentlemen's private estate, construction lawns, roads, etc.; all branches of gardening. A. A., care HORTICULTURE.

GARDENER—Married, no children, 24 years' experience in mums, carnations, roses, fruits and vegetables, wishes position as gardener on estate or commercial. Address, A. E., 277 Concord St., So. Framingham, Mass.

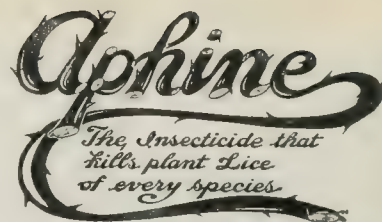
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FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write FARSELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

GREENHOUSE to take down, about 65 x 20 ft., 16 x 20 in. lights, 1 lean-to house of sash 60 x 15 ft.; also about 50 good 3 x 6 ft. sash; 1 No. 4 Doric, about 1500 feet pipe and 3000 flower pots, all sizes. D. Robinson's Sons, Revere Beach Parkway, Everett, Mass.

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An excellent cleanser for decorative stock. You can rely on it for positive results, without fear of failure or dissatisfaction.
\$2.50 per gallon, \$1.00 per quart.

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An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

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arithmetic, and general education training.

The subject of farm equipment comprises the following elements: A thesis, preferably upon some phase of the subject, to be submitted with the application; practical questions, and training and experience in the specific work covered by the subject.

The thesis may be either typewritten or in the handwriting of the applicant. Published articles written by the applicant may be submitted as a thesis. Applicants should at once apply either to the Civil Service Commission, Washington, D. C., or to the local secretary of the board of examiners for examination and application form 1312. F. J. DYER.

New Cumberland, Pa.—Proceedings have been started in the U. S. Court in Scranton, Pa. to have John A. Kepner declared an involuntary bankrupt. His greenhouse property had been up for sheriff sale, but bankruptcy proceedings have served to halt execution by the sheriff. It is said that the Harrisburg Boot and Shoe Mfg. Co. is a creditor to the amount of about \$35,000.

THE CURTIS BILL.

Washington dispatches state that the bill of Senator Curtis, designed to force a settlement of the potash controversy, will be again introduced at the special session of Congress. While this bill, which amends the law relating to meat inspection and importation of adulterated food, is skillfully drawn to arouse the patriotism of the heedless, the only purpose of it is frankly stated to be to aid the Fertilizer Trust, which is closely allied with the Beef Trust in the fertilizer business; and there is little likelihood that its provisions would be invoked in the aid of any other interest.

Before the bill is passed it should be amended so that its provisions cannot be invoked or applied in behalf of any trust, any corporation commonly known to be or to act as a trust, or any association of interests intended to control prices or to act in restraint of trade.

So far as the potash situation is concerned the American farmers can choose between the German Syndicate, which has been placed under the most rigid government control in regard to production and prices, and aims to increase its American trade by selling direct from the mines to the farmer at reduced prices, or the American Fertilizer Trust which is under no control of any kind and, as is claimed by some, aims to restrict the consumption of potash, because, it is said, it finds it far more profitable to compel the farmer to pay excessive prices for his plant food in the form of filled mixed goods, containing not what is best for the soil and crop but what will yield the biggest dividends on the grossly watered stock of the fertilizer companies.

VACANCIES IN BUREAU OF PLANT INDUSTRY.

Washington.—The Civil Service Commission announces that an examination will be held on April 26-27 to make certification to fill three vacancies in the position of scientific assistant, male (qualified in farm equipment), Office of Farm Management, Bureau of Plant Industry, Department of Agriculture. The entrance salary is from \$1,200 to \$1,500 per year. The age limit is 20 years or over.

The basis subjects of the examination consist of the following: English composition and report writing;

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Clean and odorless. Forms invisible films. Non-corrosive.
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Single gallons, \$1.50. In barrels, \$1.00

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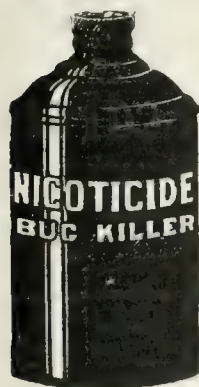
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JUST NOTE PRICE!

Pint.....	\$ 1.50
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NIKOTEEN The most effective and economical material there is for spraying plants and blooms.
NIKOTEEN Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply.
NIKOTEEN Does the work when vaporized either in pans, on pipes, or over a flame.
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the tobacco
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85 lbs. \$1.00 100 lbs. \$ 2.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. 52.00

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Lake City, Minn.—Jewell Nursery Co., one house.

Norristown, Pa.—Joseph N. King, range of houses.

Babylon, N. Y.—Mrs. Wm. Arnold, range of houses.

Baltimore, Md.—Harry Ekas, one carnation house.

Pawtucket, R. I.—A. Chournard, two houses, each 40 x 95 feet.

Missoula, Mont.—E. Reimers, four houses, each 16 x 125 feet.

Greenwich, Conn.—Estate of James Campbell, range of houses.

Garrettsford, Pa.—Wm. Munroe, two rose houses, each 21 x 150 feet.

Charles City, Iowa—M. H. Wetherbee, two houses each 27 x 123 feet.

Wyomissing, Pa.—Linnaeus Cox, three rose houses, each 30 x 70 feet.

Barberton, Ohio.—O. C. Barber, range of six vegetable forcing houses.

Battle Creek, Mich.—Walter S. Cogan, addition of 2,000 square feet of glass.

Frankfort, Ind.—Martha J. Carr & Son, range of houses and heating plant in the fall.

New Haven, Conn.—Wm. Fisher, two houses in process and propagating house to be erected later.

Auburn, R. I.—William Budlong, three rose houses, 300, 340 and 500 feet in length respectively.

Indianapolis, Ind.—Pahud Floral Co., five houses, one 30 x 150 feet, two 27 x 150 feet, boiler house and potting shed.



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FULL SIZE N. 2
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
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No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.85	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

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1500 2 1/4 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1590 2 1/4 " " " 5.25	120 7 " " " 4.20
1500 2 1/2 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	HAND MADE
800 3 1/2 " " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " " 4.50	48 10 " " " 4.80
456 4 1/2 " " " 5.24	24 11 " " " 3.60
320 5 " " " 4.51	24 12 " " " 4.80
210 5 1/2 " " " 3.78	12 14 " " " 4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

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IN THE LONG RUN AND SAVE YOU
MANY ANXIOUS MOMENTS. WHY
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YOU CAN GET THE BEST AT
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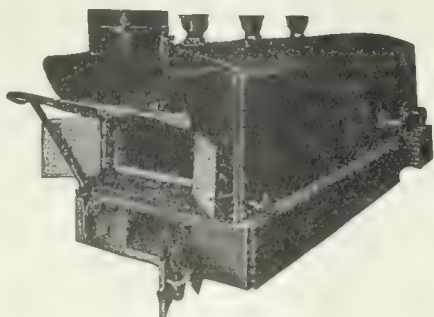
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HORTICULTURE

Vol. XIII. APRIL 15, 1911 No. 15

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Fruits and Vegetables Under Glass

PEACHES AND NECTARINES

Peaches and nectarines which have finished stoning should now have any fruits which are above a crop removed before the second swelling commences. Do so by twisting them around until they drop into the hand, otherwise if they are just pulled off so much of the outer bark will be torn off with them. Spread the crop evenly over the tree and do not ask them to carry too many or the next year will show the results of this year's strain in the form of a poor crop. Pot trees will be benefited by having a strong stake put to them and from this the shoots carrying fruit can be supported by a strong piece of raffia. This will keep them from hanging down and keep the tree in good shape. Now is the time peaches and nectarines will stand heat without danger, and if fruit is required as early as possible raise the temperature to 65 degrees to 68 degrees by night and run up well with sun heat. When closing down in the afternoon the house can be run up to 90 degrees providing plenty of moisture is kept around. Syringe thoroughly morning and afternoon and give plenty of feeding until the fruit shows signs of coloring. Quick-acting manures are to be preferred, as some varieties take only a few weeks to complete their second swelling. The trees derive much benefit by placing a zinc rim four inches deep around the top of the pot and filling this with half decayed cow manure (as seen in illustrations of pot peach trees which have appeared in HORTICULTURE from time to time). New roots will at once run up into this, feeding from it as they go and are near the surface should other manure be applied.

SIZE VERSUS FLAVOR IN MELONS

These are the two most essential points in most fruits, especially so to those who are fortunate enough to eat them. In competition they play an important part in conjunction with shape, color, finish, etc. In melons the two qualities seem very averse to each other. No other fruit loses its flavor so quick and we often see fine, large specimens, grand to look at, but, oh, the taste! This accounts for what we often see on the show tables, a small fruit given the preference to a larger one. We all like to make the most of size, but if this is going to ruin the flavor what is gained? For, after all, the old proverb, "Goodness lies in a small compass," has got a say. Now, to obtain size it is often necessary to apply stimulating manures which seem to deteriorate the flavor, especially if applied after netting of the fruit commences; but as the better growing weather is coming on it will not be necessary to feed so much. Encourage the plants to grow and swell as many fruits as they will up to four and use no more manure than the plants require to keep them robust, as a highly fed plant is liable to grow a large and flavorless fruit. Feeding moderately with suitable manures will be beneficial to plants carrying three or four fruits each and will not impair the flavor if stopped in time. Give as much air as possible as the fruits commence to ripen and keep the plant slightly drier at the roots. Some growers nearly dry them off, but there is nothing to be gained by this. In melon growing under glass flavor should be considered first, and varieties which serve

up the best should be grown. These may differ with different growers as no two men use the same methods; one man may turn out a better flavored medium-sized melon with his method than his neighbor on another establishment and perhaps both using the same variety. These peculiarities should be noticed and preference given to the better flavored varieties. Superlative and Sutton's Perfection will be found good.

STOPPING AND TYING VINES

This is a thing which commands a good deal of attention where vines are grown on the short-spur system. Rods, after breaking should be gradually released from the ties which have kept them in a bending position—the object having been to push so much sap into the base buds, otherwise these would not break for some time after those at the apex. It is not advisable to tie them up to their permanent position right away, but allow the young growths to become accustomed to their new positions and when they have righted themselves make the main stems or rods secure with strong string. Lateral growths will soon make headway. If two should be coming away from the same spur remove the weaker one. Do not be in a hurry to tie these young growths into position so long as they are far enough from the glass; let them grow as they will. A mistake is often made by trying to tie these down too soon and the consequence is they break off. Nothing is gained by tying these down, so why risk a break? The bunch itself will bring them down and the laterals which are not carrying fruit can be brought down later. The only danger in so doing is that if the wires are too near the glass the young growths are liable to burn with strong sun. Leaders on young vines should not be cropped but let grow away. As the bunch makes its appearance stop two leaves beyond it; this concentrates the same into it. Any sublaterals which make growth after this should be rubbed out altogether between the spur and bunch and those beyond the bunch should be stopped at one leaf.

LATE VINES

Late vines which are intended for keeping as late as possible should now have the border soaked, as root action will have commenced and they cannot be held longer without causing the bud to deteriorate. Bend the rods over to ensure an even break and do not let the temperature go below 40 degrees at night. Syringe twice daily in good weather. Ventilators can still be left open, as no harm will be done to the young growths for a time if they are brought up to plenty of fresh air.

STRAWBERRIES

The last patches of strawberries will now be coming into flower. It is not necessary to keep all the flowers until after they are set as a set is sure now and so many flowers only take so much vitality from the plant. Remove all the weaker buds before they open, especially those which are a side growth from another stronger flower. If ten or twelve of the strongest flowers are left to open a crop is pretty sure. When set, reduce to six and push them right away. After swelling, fruit should be fed two or three times a week, but discontinue on first signs of coloring; after this give plenty of air and light.

George H. Benson

HORTICULTURE

VOL. XIII

APRIL 15, 1911

NO. 15

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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Overdone? We have read with interest the ostentatious announcements and wondering press comments anent the sensational offer of a London newspaper of a prize of \$5,000 for the best bunch of sweet peas grown by an amateur and exhibited

at a special show to be held in London next July. The bunch must consist of not more than twelve spikes or sprays and must contain not fewer than three varieties." As an advertisement for the paper making the offer doubtless the investment will be a profitable one. As to the ultimate benefit to horticulture and to the sweet pea in particular, there is room for varying opinions and a good many of us will, in the meantime, incline to hail "from Missouri."

Once more it becomes our pleasant privilege to extend to the florists of America sincere Easter greetings and to express the earnest hope that, in all respects, the sweet and inspiring spring festival will bring to each and every one blessings in fullest measure and ample reward for all the preparatory toil and anxiety which they have undergone. As to the outlook as it has shaped itself during the few days before the great event it is safe to say that much will depend upon the weather and its influence upon the finishing off of the product and upon its sale. More than that, if said, is said at a risk. Predictions at such times are dangerous playthings. Yet we do not hesitate to take issue with those parties East and West who are dealing out scare lines to the newspapers about the alleged great famine in Easter lilies and the difficulties the florist will have in supplying the demand at any price. We don't think the trade at large will take any stock in this hue and cry. Like the annual ruin of the peach crop it is regarded as largely bugaboo.

The next great event

Now that the all-engrossing National Flower Show is over, we should at once proceed to warm things up for the Baltimore Convention—now only four months away. It has been the fear of some that the interposition of this Boston attraction might tend to detract from the interest in and attendance at the Baltimore meeting. We do not believe it will so turn out—we earnestly hope it will not—and we are very sure that the Boston people will be more than ready in the time that now intervenes, to do everything they possibly can do to promote the welfare of the summer convention and eliminate as far as in their power any possibility that the Boston event has exhausted any enthusiasm to which our sister city's enterprise is entitled. It should be the aim of all to make the Baltimore Convention the biggest and best in the Society's history thus far and there is no reason why this cannot be done if activity to that end is at once put in motion. There should be no delay in planning details and giving same prompt and widespread publicity.

Rose Mme. Second Weber

(See Cover Illustration.)

This is a Soupert & Notting 1908 introduction and has made a good impression wherever tried. As the picture on our title page shows, it is a vigorous, well-formed flower and the other qualities which the illustration does not convey, viz.; fragrance, which is strong, and color, which is a delightful tint of salmon pink, are vouched for by all who have grown this new addition to the list of desirable H. T. roses. Dreer says that it is "the most desirable rose of its color in our collection." E. G. Hill says "one of the grandest novelties of recent years." "As impressive as an American Beauty."

Seasonable Notes on Culture of Florists' Stock

ANNUALS

While the larger portion of annuals suitable for bedding are in flats and many in pots, there is still time to sow to good advantage those of rapid growth, such as *acroclinium*, *alyssum*, *balsams*, *candytuft*, *Centaurea imperialis*, *cosmos*, *dianthus*, *calendula*, *calliopsis*, *gailardia*, *mignonette*, *nasturtiums*, *Phlox drummondii*, *scabiosa*, *stocks*, *snapdragon*, *zinnias*, etc. A mild hotbed is just the place to sow these seed now. Give them plenty of room—say 4 or 5 inches between the rows—and don't sow too thickly. The *mignonette* can be sown in 2½-inch pots. Some of the hardier annuals can be sown outdoors now. In order to greatly relieve your houses almost any of the hardier or quite tender annuals can now be placed in mild hotbeds or coldframes if at command. They will be better and stockier in every way when grown in frames, with care as to protection on any cold nights and water when needed. Use judgment and ventilate with care.

BOUGAINVILLEA

To propagate this plant there is no better time than now. Choose half-ripened wood about six inches long, place these in sand where they will have some bottom heat, give them a good watering, and by frequent sprayings keep up the necessary moisture for their propagation. See that they are shaded from the sun. Under ordinary condition they should root in about three or four weeks. When potting them up use a good loam with a liberal sprinkling of sand and give them a syringe twice a day with some shading from the sun's rays until they get established. They will make roots rapidly and should be shifted as the condition of the roots require it. A good compost to use is one that is sufficiently open to allow the water to pass freely through it; mix one-fourth well-rotten cow manure with some loam, and about the same of leaf mold with enough sand to keep the whole open. They like to be continually in full sunshine. Syringe regularly once or twice a day and give them abundance of water at the roots. To have the wood of sufficient substance and ripeness for flowering they will be benefited by occasionally turning them around, thereby admitting every branch to light and air. Keep shifting through the summer and by September they should be nice plants in 6 or 7-inch pots and a month later they will need less water, so as to ripen up their growth.

PRIMULAS

If you wish to have nice flowering plants for December, sow now. Sow on light, porous soil. A good mixture is equal parts of loam and leaf mold, with enough of sand to make the whole gritty. Give the pans or flats a good watering previous to sowing the seed. Press and cover with some finely sifted soil of the above compost, but very lightly—just enough so the seeds are out of sight. Keep in a close, moist house of about 60 degrees and place a pane of glass over them until the seeds germinate, when they should be kept in the coolest house you have. When they are sufficiently large enough to handle prick off into flats. In about five or six weeks they should be potted singly in 2-inch pots, using a soil a trifle richer and heavier at every subsequent potting. When they become established a cold frame is an excellent place to summer them in. See that the glass is shaded and, as the weather gets warmer, raise the sashes back and front, for it is coolness that they want, with plenty of fresh air. By sowing at in-

tervals from now until August you can have nice flowering plants from December until spring.

RAMBLERS FOR NEXT EASTER

This is the proper time to start a good supply of *Ramblers* for the coming season. There are two ways in which *Ramblers* may be grown into suitable stock for forcing. The one most commonly followed is to plant out in the open field plants of one or two-year-old stock and give good cultivation during the summer and dig up and pot in November. Where you want first-class stock—something better than your neighbor—the best way is to grow this class of roses in pots from now on. Procure some good two-year-old plants and pot up into from 6-inch to 10-inch pots according to their size and strength, using a rich, well-composted soil. After they are potted cut them back to two good eyes and place in a cool house at about 50 degrees at night. They should be given careful watering with frequent spraying and in a short time they will break away with numerous shoots, which should be reduced to four or five to a plant. As they grow keep them tied up to stakes until July, when they can be plunged outside. Use the hose freely on them and by the middle of August shorten up on water supply so as to ripen up the wood by cold weather.

STEPHANOTIS

Any grower who has a sunny back wall in any of his houses that have a winter night temperature of from 55 to 60 degrees can grow this much neglected plant. Where there is call for bouquets it will be found a very valuable flower to have. It can also be grown well in 12 or 14-inch pots or large tubs and when grown this way they can be trained on a balloon-like trellis. They are quite easily propagated from last season's growth by placing each cutting in small pots of sand and leaf mold in equal proportions and plunging in a propagating bench where there is a good bottom heat with shade until they are rooted. Maintain a humid atmosphere so as to keep the cuttings from wilting. When these pots are fairly well rooted they can be shifted, using a fibrous loam well enriched with manure, re-potting and stopping during the first summer. The best to grow is *Stephanotis floribunda*.

SWAINSONA

This is a very serviceable plant, with its graceful and delicate green foliage in contrast to its pure white flowers, which makes it very desirable for various florist uses. Now is a good time to strike cuttings. When the cuttings are rooted they should be potted into 2½-inch pots, using a mixture of loam with plenty of fibre and some leaf mold and sand. Pot quite firmly and keep the atmosphere somewhat closer for a week or two until the roots get to work in the new soil. Continued and free use of the syringe is necessary all through the summer. Re-pot until 5 or 6-inch pots are reached and the soil after the first shift should be more lumpy, but still kept open and porous by a little leaf mold and sand. Pinch out the points of the shoots so as to make them bushy. They like a winter temperature of from 50 to 55 degrees at night. Keep them in full sun, as they like abundance of sunshine. During their flowering period give them a weekly dose of liquid manure.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Campulanas* For Next Spring; Care of Evergreens in Pots and Tubs; *Gloxinas*; *Lilies* for Decoration Day; *Odontoglossums*; *Pompon Chrysanthemums*.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

There was an excellent representation of the Club's membership present at the April meeting last Monday night and those who came were well repaid. All committees having reported, thanks were extended to Alex McConnell for decorative work at the annual dinner and to the many donors of flowers. The president was authorized to appoint committees on three recent deaths, viz.: Messrs. Kessler, Sr., Lorenz and Pierkovski, Sr.

Arthur Cowee gave his promised lecture on the *Gladiolus*, illustrating his remarks with a hundred or more beautiful stereopticon views. His talk was exceedingly interesting and his belief in the great future of his favorite flower was well substantiated.

F. R. Pierson, chairman of the National Flower Show Committee, followed with a speech concerning that great Boston event, giving especial credit to his colleagues in the work, praising the unanimity and good fellowship displayed throughout and the efficient management of Mr. Campbell. He stated that the receipts would more than cover the entire expenditures, including \$8,000 given in prizes, and that the guarantee fund would be returned intact to the guarantors, with a profit. He expressed the belief that New York will be in position to undertake the fourth National Flower Show.

J. H. Pepper showed some stereopticon views of the Flower Show. C. B. Weathered spoke of the hospitality of the Boston gentlemen, and the thanks of the Club were ordered sent to P. Welch and his associates, also to the Gardeners' and Florists' Club of Boston for their entertainment.

There was a very fine display of sweet peas on the exhibition tables from Wm. Sim, of Cliftondale, Mass., for which a cultural certificate was awarded. Among the varieties shown were Pink Beauty, rose; Helen Keller, variegated; Greenbrook, blush; Wm. J. Stewart, blue; Mrs. Smalley, salmon; Wallacea, lavender; Gov. Fort, salmon; Boddington's Snowbird, white; Christmas Captain, purple; Mrs. Geo. Lewis, white; Miss Josie Reiley, lilac; Mrs. Dolansky, pink; Watchung, white; Christmas Pink; Le Marquis, violet; Florence Denzer, white; Boddington's Canary, cream; Boddington's Christmas, pink; Mrs. Wild, magenta; Mrs. Hannan, rose; Mrs. Totty, blue; Mrs. Sim, salmon. Carnation Wodenethe from Frank C. Witney, of Fishkill, made a very favorable impression and the judges requested to see it again. A Mr. Lord showed a one-piece cut-flower and design box which seemed to meet the approval of florists who were present.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

At the Gardeners' and Florists' Club meeting, April 10, it was "Convention Night," and there was the largest gathering of members for many moons, and the consequence was a very enthusiastic harmonious meeting in which master strokes were accomplished towards completing the big

programme for the convention of the S. A. F. & O. H. A guarantee fund running into thousands of dollars was readily subscribed. Committees were all wide awake and vied with each other in reports of great progress. Indications are that Maryland florists intend to maintain the reputation which the state has for hospitality. Not only will the hand of fraternal fellowship be extended to visiting florists, but Lord Baltimore will in addition welcome visiting florists to Greater Baltimore. Robt. L. Graham, the new president of the club, said the recent flower show held in Boston was without doubt the finest ever held in this country. Hon. Edwin Warfield, ex-governor, was elected an honorary member of the club.

MASSACHUSETTS HORTICULTURAL SOCIETY.

Garden Prizes for the Year.

The garden and greenhouse committee of the Massachusetts Horticultural Society announce its schedule of prizes for the year. It calls the attention of owners of estates in New England to the premiums offered to encourage the development and ornamentation of private grounds and the establishment and maintenance of greenhouses for the culture of plants, fruits and vegetables.

The H. H. Hunnewell triennial premium will be given for an estate of not less than three acres planted in the most tasteful and effective manner, with the most desirable ornamental trees and shrubs, and kept in the best order for three consecutive years. This premium, to be awarded but once in three years, is \$160. A special prize will be given for an estate in Massachusetts of not more than three acres nor less than one acre that shows the best arrangement in planting and that is kept in the best order.

Silver and bronze medals will be awarded for a garden of spring flowering plants, one of summer or fall-flowering plants, a garden or collection of peonies, a garden or collection of hardy roses, a garden or collection of irises, a rock garden, a water garden, a fruit garden and a vegetable garden.

YONKERS HORTICULTURAL SOCIETY.

On Friday, 7th inst., a well attended meeting was held and matters of interest discussed. The executive committee reported that the June Show will be held on the 14th of that month and all seems favorable for a most successful exhibition. Some fine melons—"Sutton's Scarlet"—were exhibited by S. Untermeyer, superintendent M. Grey, and received cultural commendation. Louis Melliott exhibited the new rose Veltchenblau, but the variety did not impress members as being suitable for forcing. Hamilton Scott was elected president, and Messrs. Rennison and Melliott were selected members of the executive committee. Howard Nichols read an interesting and instructive paper, taking as his subject "Hardy Roses." H. M. B.

NEWPORT HORTICULTURAL SOCIETY.

The regular meeting of this society April 11 added another very interesting event to the credit of the organization. Two papers were read: The first by Alexander MacLellan, who gave a very complete history of the sweet pea family, covering a period from about the year 1650 when it is recorded to have been discovered in the Islands of Sicily and Ceylon and tracing its advances to the present day, speaking of the improvement made in this popular flower since its introduction in England about 200 years ago. Mr. MacLellan gave due credit to Henry Eckford and others of England also to California growers and members of the Sweet Pea Society of this country and paid a high tribute to the growers of the superb exhibits of that flower seen at the recent National Show in Boston. The other paper was by John Cox, a widely known veteran of the craft who is now here representing the James Veitch concern of Chelsea, England. Mr. Cox had for his subject "Legends of Flowers and Plants of Many Countries," his whole story being prepared in a very amusing and interesting way. A cheerful rising vote of thanks was accorded.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

The National Sweet Pea Society of America will hold their annual convention and summer exhibition at Philadelphia, Pa., June 23rd and 24th, 1911, under the auspices of the Pennsylvania Horticultural Society and in connection with their annual Sweet Pea Exhibition.

A guarantee fund for a general list of prizes has been headed by our president, Mr. W. Atlee Burpee, The Henry F. Michell Co., Messrs. Henry A. Dreer, Inc., Arthur T. Boddington and other seed houses contributing. A preliminary schedule will be published in a few days, showing list of prizes, cups, etc., and a general program for the convention. Contributions for additional prizes in the form of cash or cups, etc., are invited from the trade.

The prize list will amount to about \$500, which should act as a great stimulus to the lovers of sweet peas and intending exhibitors should make due preparations for this, the third annual exhibition given by our society.

For further particulars write to:

HARRY A. BUNYARD, Sec'y,
342 West 14th St., New York City.

TARRYTOWN HORTICULTURAL SOCIETY.

The Tarrytown Horticultural Society held its regular monthly meeting Friday evening, March 31, President Brunger in the chair and a good number of members present. The monthly prize for roses offered for this meeting by J. W. Smith was awarded to W. MacBean, Garrison, N. Y., for a fine vase of pink and white Killarney; James Stuart, Mamaroneck, N. Y., second for a vase of the same variety. A vote of thanks was awarded to W. G. Gomersall for an able and instruc-

tive essay on "Herbaceous Plants and Hardy Shrubs, how to harmonize them for effect in Landscape Gardening." For the April meeting E. W. Neubrand offers a prize for the best flowering plant.

GEO. McINTOSH, Cor. Sec'y.

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club held its regular monthly meeting April 6th. A. W. Johnson and A. T. Pyper gave the club a description of the National Flower Show as it appeared to them. The committee on sports and pastimes was instructed to select a suitable place for holding a picnic in July or August and given power to act on the same. They reported the meeting of the bowling club in Milwaukee last month and said they had a most enjoyable time.

A committee, of which Peter Reinberg should be one, was proposed, to place the matter of permitting the use of flowers at the inaugural of the city officials, before the present council.

A. Swanson of Elmhurst, Ill., exhibited a vase of a new butterfly sweet pea that was much admired.

CLUB AND SOCIETY NOTES.

The Spring show of the Worcester County Horticultural Society was held at Horticultural Hall, Worcester, Mass., on April 6. H. F. A. Lange was the principal exhibitor. Others were E. W. Breed, L. C. Midgley and Mrs. J. C. Whitin.

Differences of opinion resulted in two resignations and the abandonment of the proposed floral show for November, at a meeting of the Columbus Florists' Association at the Chittenden last evening. Those who resigned their membership were the Fifth Avenue Floral Company and C. A. Roth. —*Columbus, Ohio, Journal.*

The Spring Flower Show of the Pacific Coast Horticultural Society and the California State Floral Society was opened on March 30, for three days, at the Fairmount Hotel, San Francisco. Trade and amateur interests were well represented. The judges in the trade section were Sidney Clack, John McLaren and George Walters.

The florists of Terre Haute, Ind., organized the Terre Haute Florists' Club, at N. B. Stover's place, on Monday evening, April 3. Officers elected are as follows: Fred Heinel, president; Henry Graham, vice-president; N. B. Stover, secretary; Fred Wunker, treasurer; Ed Cowan, Edward Reiss and Otto Heinel, executive board.

The Florists' Club of Washington held its 22nd annual banquet at the New Fredonia Hotel on the evening of April 4. William R. Smith was the guest of honor. The retiring president, John Robertson, was presented with a silver tea service, Mr. Smith making the presentation speech. The new officers were installed. W. F. Gude officiated as toastmaster.

Do you need young ferns for stock? See Buyers' Directory, page 583, this issue. The best growers are listed there.

ENGLISH VISITORS AT BODDINGTON'S.



Reading from Left to Right: Back Row—J. J. Pepper, Harry A. Bunyard, W. H. Hughes, J. S. Gunn, L. M. Graves, J. Brown, W. A. Call, Alfred T. Bunyard. Front Row—G. Prickett, S. South, C. Pratley, J. S. Brunton, C. Engleman, J. Simpson, E. Barker, S. S. Butterfield, Arthur T. Boddington.

During Recess

Milwaukee versus Chicago.

The Milwaukee team which so cordially entertained the Chicago boys a month ago has been invited to play a return game in Chicago, Sunday, May 7th, and have sent word that they will be here strong. All arrangements as to time of arriving, etc., will be made after Easter.

Chicago Bowlers.

As the close of the season draws near, the matter of scores assumes greater importance and the prizes daily become more alluring. But two meetings are left now and the standings to date are as follows:

INDIVIDUAL STANDINGS.

A. Fisher, 168-41.57ths; A. Zeck, 168-23.69ths; T. Yarnall, 167; J. Zeck, 161; E. Farley, 160; Friedman, 159; F. Ayers, 157; Wm. Wolf, 155-53.72nds; Wm. Graff, 155-39.75ths; E. Winterson, 153-37.51sts; J. Degnan, 153-15.51sts; E. Schultz, 152; J. Huebner, 151; Wm. Lorman, 147; Beyers, 141; O. Goerisch, 140; Krause, 139.

Games won and lost to date:

	Won	Lost		Won	Lost
Orchids,	56	19	Roses,	30	45
Carnations,	38	37	Violets,	26	49

High Team Game—Orchids, 921. High Three Team Average—Orchids, 860.

High Individual Average, 3 games—F. Ayers, total, 606; average, 202.

High Individual Score—Yarnall, 226; Farley, 226.

FLORISTS HAVE A GRIEVANCE.

Chatterton Warburton and Patrick H. Sullivan, representing the florists of Fall River, Mass., were callers at the mayor's office last week, for the purpose of requesting that the mayor ask the city solicitor for an opinion relative to the right of the park commissioners to insist upon caring for vases on graves in Oak Grove cemetery, other than those that come under the perpetual care plan. With the enlargement of the greenhouse at Oak Grove cemetery, the park commissioners have done a considerable business in the matter of looking after the vases and the florists have felt the effect of this upon their business.

THE QUESTION OF MOISTURE FOR MUSHROOMS.

Editor of HORTICULTURE:

As far as I could judge from Dr. Kitchen's experiments (see HORTICULTURE, April 8, page 536), I should say his trouble lay in not keeping his beds moist enough. He should not have waited until the surface was dry before sprinkling, but kept up a moist state of the surface at all times. No rules can be laid down in regard to watering as beds under different conditions will require more or less and judgment will have to be used accordingly.

The fact that mushrooms appeared abundantly after being watered thoroughly shows that dryness was the cause, the spawn lying dormant for the lack of moisture. It is often the case that beds that have cropped well, and kept dry for a period after going out of bearing, will when watered give a second crop. The temperature was far too high for the best results. There is no doubt that mushrooms can be grown at the temperature stated, but for the best results a lower temperature is necessary. Mushrooms grown in a temperature of 50 degrees to 55 degrees will be of better quality and the beds will produce heavier and over a longer period.

There seems to be something in the fermentation of manure that suits the mushroom and it makes one of the best mediums for the spawn to run in, and it is very doubtful if as good results can be had by any other method.

WILLIAM GRAY.

Rough Point, Newport, R. I.

A SPRING BLOOMING WITCH HAZEL.

It is generally known that the native Hamamelis flowers in fall and that the Japanese species blooms in spring. Jackson Dawson now informs us that Harbin has found for the Arnold Arboretum, in the North Carolina mountains a true spring blooming form, which in cultivation has retained its characteristic, blooming for the first time this spring.

BRITISH HORTICULTURE.

A Proposed National Daffodil Society.

In the making of new floral societies there appears to be no end. The latest suggestion has been to organize a National Daffodil Society. An adjourned meeting of those interested in the project was recently held in London. Rev. G. H. Engleheart, a well known enthusiast, presided. It transpired that some communication had taken place with the Royal Horticultural Society on the proposal. The following communication was received from the Council of that Society: "The Council, having considered the resolution sent up to them by the Narcissus Committee this day are willing (1) to hold a two days' show in April; (2) to issue a year-book, if the committee supply sufficient and suitable material for the same; (3) to issue a schedule for the show after receiving recommendations from the committee thereupon; (4) the Council consider all committees competent to sub-divide themselves into sub-committees for special and topical purposes." In view of this new development, it was decided to postpone the proposal until it is ascertained how far the Narcissus Committee's scheme is workable.

National Rose Society's Year Book.

The National Rose Society has for some years deserved the gratitude of all rosarians for the valuable contribution it has made to the literature of the "Queen of flowers." The Society's "Year Book" for 1911 is replete with the most authoritative details of all phases of rose culture. There is much cause for congratulation as to the progress made in rose culture, as revealed in the comprehensive article of the Rev. J. H. Pemberton, who reviews the season of 1910. A glimpse of continental methods is given in the review of the Paris Quinquennial Horticultural Show, furnished by Mr. George Paul. There are some helpful details on the dates of the flowering of different varieties of climbing roses, furnished by Mr. H. R. Darlington and Dr. A. H. Williams. Mr. Darlington finds something new to say on the subject of tea roses for bedding. Rose culture has its humorous side, as indicated by the Rev. F. Page-Roberts' essay on "Nosarrians and Antinosarrians."

More Garden Leaves.

During the last five years there has been a "boom" in books devoted to the sweet pea. One of the latest is from the pens of Messrs. Horace J. Wright and T. Stevenson. Mr. Wright was the former secretary of the National Sweet Pea Society, and is well known as a capable writer and lecturer on the subject. Mr. Stevenson writes with the expert knowledge of a leading prize-winner at the National shows. As an indication of the popularity of this pleasing flower, it is mentioned that the weight of seed sown annually is 40 tons. "Daffodils" have a volume devoted to them from the pen of Mr. R. A. Joseph Jacob, a regular contributor to the gardening press. The Rev. W. Wilks, secretary to the Royal Horticultural Society, supplies an appropriate preface. For garden and decorative purposes Mr. Wilks favors: Emperor, Empress, Horsfieldii, Barri conspicuus, Madame de Graaf, Baroness

Heath, King Alfred, White Queen, Lady M. Boscawen, Weardale Perfection, Golden Bell, Victoria, and J. B. M. Camm. "Pansies, Violas and Violets" receive ample treatment at the hands of Mr. W. Cuthbertson. Mr. Alex. Dean, V. M. H., gives the result of his long and ripened experience in "Root and Stem Vegetables," which is admirably embellished with colored plates. The four works referred to are contained in the "Present Day Gardening" series, published by Messrs. T. C. and E. C. Jack of Edinburgh, and edited by Mr. R. Hooper Pearson.

W. H. ADSETT.

The first Provisional Schedule for the International Horticultural Exhibition to be held in London May 22-30 inclusive has been distributed and copies may be procured from the Honorary Secretary, Edward White, 7 Victoria street, Westminster, S. W. The system of premiums adopted will consist in a combination of silver or silver gilt cups and money together with a diploma. A single form of cup is to be adopted and made in a variety of sizes to suit the larger and smaller classes and merits, the cups in all cases to be engraved with the seal or other official badge of the Exhibition committee.

PERSONAL.

Patrick O'Mara has gone south for a brief period of rest.

John Donaldson, of Elmhurst, N. Y., who has been very ill with rheumatism is now improving slowly.

E. Westergaard, formerly gardener for D. Carmichael, Wellesley, has now taken charge of the Francis Skinner estate in Dedham, Mass.

Ernest Bisson has accepted a position as market gardener for Charles H. Warren, Worcester, Mass., and will take up his work after Easter.

E. L. Palm has been engaged as grower for the Curtis Floral Co., Hampton, Iowa. He was formerly employed by the Clinton Falls Nursery Co.

E. H. Wilson is now in the Faulkner Hospital, Jamaica Plain, Mass., under treatment for the wear and tear of his long tedious trip from China to Boston. Recovery from the wounds sustained in his expedition is naturally slow and the journey home was a severe experience.

Visitors in Boston: Thos. W. Head, representing Stump & Walter Co., New York; J. F. Cowell, Buffalo, N. Y.

DETROIT PERSONALS.

Chas. Warnke, of Woodmere, rented a nice little store at 215 Woodward for the Easter season and secured the option for a lease of same.

The Detroit Floral Co. is completely settled at their new store 747 Woodward Ave. A very good location practically fitted up for the business.

Mr. Pautke, now with Breitmeyer's at Mt. Clemens, will, beginning May 1st, assist Mr. Knope in the management of Breitmeyer's greenhouses in Detroit. Mr. Knope is slowly recovering, but the many responsibilities incident to a place devoted to a general line of plants, are too many to bring about his complete recovery.

FRANK DANZER.

OBSERVATIONS AND QUERIES BY OUR PHILADELPHIA CORRESPONDENT.

A conference of the officers of the Sweet Pea Society was held in Philadelphia on the 5th inst. The President, W. Atlee Burpee, and the secretary, Harry A. Bunyard, were both present—as was also David Rust, representing the Pennsylvania Horticultural Society, under whose auspices the annual exhibition of sweet peas will be held this year. Friday and Saturday, June 23rd and 24th, are the dates selected for holding the show. This may be a little late or a little early for exhibitors from some localities, but it is thought that it will suit best those who are in a position to send the largest and most interesting exhibits—and therefore tend to the aggregate success of the exhibit as a whole.

According to the published list of the Sweet Pea Society the official scale of value points for judging are: Size 25, color 20, stem 25, substance 15, number of flowers to stem 15, total 100. In this connection we would like to know why nothing is allowed for fragrance? Are all sweet peas equally fragrant? We pause for reply. Come on, Mr. Kerr. What is any flower without fragrance?

Make memo. of the \$5,000 sweet pea prize of the London Daily Mail. Great advertising, not only for that paper, but for horticulture. We have had nothing in the way of such enterprise along rational lines in America, although a good beginning has been made by the Sweet Pea Society—which will hold its annual meeting and exhibition in Philadelphia next June. Why can't some of our great dailies get down to common sense, and good politics, like this, instead of spending their thousands on "Mutt and Jeff"? Is America so far behind in the race for distinction in the civilized world? It looks as if a few home truths would have to be fired at them! We certainly have retrograded in our daily press standards since the days of James Gordon Bennett and George W. Childs.

"Crocuses and scillas in appropriate receptacles are fine sellers," says a contemporary, and gives a picture of them. Very good. We echo the sentiment. But we would not, if we could have helped it, have used an illustration of a snowdrop, and then called it a scilla. Maybe the editors didn't know the difference. We must not expect too much from the wild and woolly west.

On page 534, HORTICULTURE for April 8, W. H. Adsett gives the British carnation scale of points as size 20, color 20, habit of plant 20, fragrance 10. What are the remaining 30 points given for? It would be interesting to compare them with the American scale which is thus: Size 20, color 25, stem 20, form 15, substance 10, fragrance 5, calyx 5.

Spring Flowering Bulbs? Yes, you'll find a list of the best dealers in the Buyers' Directory, page 582, this issue

PROPOSED SEED LEGISLATION IN NEW YORK.

Editor HORTICULTURE:

Dear Sir:—I herewith enclose copy of Assembly Bill, Int. No. 834, which was introduced by Assemblyman Gregg on March 3rd, 1911, in the New York State Legislature. The bill has been read once and was then referred to the Committee on Agriculture. The writer is arranging to have a hearing on the bill, which will take place some time after April 17th, as the legislature has adjourned until that date, owing to the fire in the State Capitol at Albany. As soon as I am advised as to the exact date of the hearing, will communicate further with you.

You will note after reading this bill that it is of the utmost importance, not only to the seedsmen of the State of New York, but to the seedsmen in other parts of the country as well. Unfortunately, the matter has come up at a very inopportune time of the year, but I hope as many New York seedsmen as possible will be present when the hearing on this bill comes up.

Yours very truly,

MARSHALL H. DURYEA,
New York State Correspondent of
the American Seed Trade Association.

STATE OF NEW YORK.

No. 925. Int. 834.

IN ASSEMBLY,

March 3, 1911.

Introduced by Mr. GREGG—read once and referred to the Committee on Agriculture.

AN ACT

To amend the agricultural law, in relation to the inspection and sale of seeds.

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. Article fifteen and sections three hundred and forty and three hundred and forty-one of chapter nine of the laws of nineteen hundred and nine, entitled "An act in relation to agriculture, constituting chapter one of the consolidated laws," are hereby renumbered to be article sixteen and sections three hundred and sixty and three hundred and sixty-one, respectively.

Section 2. Such chapter is hereby amended by adding thereto a new article fifteen thereof, to read as follows:

ARTICLE XV.

Seeds.

Section 340. Inspection and sale of seeds.

Section 341. Samples, publication of results of examination.

Section 340. Inspection and sale of seeds. Within the meaning of this article "agricultural seeds" are defined as the seeds of alfalfa, barley, Canadian blue grass, Kentucky blue grass, buckwheat, alsike clover, crimson clover, red clover, white clover, monmouth clover, field corn, meadow fescue, millet, oats, orchard grass, rape, red top, rye, sorghum, timothy, wheat, peas, beans, vetch, cabbage, turnips, cauliflower, celery and onions, which are to be used for sowing or seedling purposes. No person, firm or corporation shall sell, offer, exchange or have in his possession for sale for the purpose of seeding any cereals or seeds as hereinafter mentioned, in quantities exceeding ten pounds, except cabbage, turnips, cauliflower, celery and onions, which shall be not to exceed one pound, unless every receptacle, package, sack or bag containing such seeds, or a label attached therein, is marked in a plain indelible manner as herein provided. Said marks shall be on the receptacle, package, sack or bag itself if there is more than three per centum of injurious foreign seed. Marks shall include the following:

a. The full name and address of the seller.

b. The name and the kind of the variety thereof of seeds except in the case of mixtures prepared for special purposes, when they shall be labeled as mixtures,

giving the per centum of each kind and variety.

c. The name of any foreign injurious seeds present of three per centum or over by count and both the name and per centum of the following adulterants present: Yellow trefoil in any variety of clover; yellow trefoil, burr clover, sweet clover or dodder in alfalfa; Canadian blue grass, in Kentucky blue grass; meadow fescue or rye grass in orchard grass, or orchard grass in meadow fescue.

d. A guaranty, stating the per centum of purity of the contents of the package by count, which shall upon official examination in no case fail to exceed three below the guaranteed per centum.

All persons offering agricultural seeds for sale for sowing or planting purposes in the state of New York shall make or cause to be made a test of their germinating powers and shall state on such package or receptacle the maximum percentage of the seed contained therein which are guaranteed to germinate.

The provisions of this article shall not apply to any person growing and selling agricultural seeds to seed merchants, or shipping to a general market to be cleaned or graded before being offered or exposed for sale for seedling purposes.

Section 341. Samples, publication of results of examination. Samples of seed shall be taken in duplicate. Both samples shall be sealed promptly and one shall be tendered and, if accepted, shall be delivered at the time of taking to the person apparently in charge and a receipt taken therefor, unless refused. The commissioner of agriculture is hereby authorized to publish in bulletin form, not later than February 1st of each year, the findings of the seed examiners, together with the names and addresses of the person or persons from whom the samples examined were taken. Examinations and tests shall be made at the New York experiment station at Geneva, by the agents of the department of agriculture who are or may be appointed to take samples of commercial fertilizers and feeding stuffs, with the date of the test. If upon testing by the New York agricultural experiment station at Geneva, said samples of seed shall fall more than ten per centum below the guaranty, the dealer shall be liable therefor as for a violation of this article. Any person who shall violate any of the provisions of this or of the preceding section of this article shall be guilty of a misdemeanor, and for such offense shall, on conviction thereof, be fined not to exceed one hundred dollars for the first offense, and upon conviction for each subsequent offense not exceeding two hundred dollars, or imprisonment not exceeding one year, or both, at the discretion of the court.

Section 3. This act shall take effect August 1st, nineteen hundred and eleven.

INCORPORATED.

Martinsburg, W. Va.—The Seibert Orchard Co., capital stock \$50,000. Incorporators, Alex. Clohan, H. S. Thompson, R. S. Thompson, L. H. Thompson and Ben J. Thompson, all of Martinsburg.

NARCISSUS.

One night, while yet the cold
Lay dormant with the cold,
I flung the casement wide
And pausing, ere I drew
The outer shutters to,
A lovely thing espied—
A thing of precious worth,
A bit of heaven in earth—
A star in water.
Beneath the rose-bush bare
A rain-pool glassed it. There,
By its own beauty glomored,
It poised above the brink,
Flashed down and seemed to sink
To darkness, self-euamored.

That vision of delight
Oft walked my dreams at night.
Lo! now 'tis fructified!
This morning when I rose
And scanned my garden close
What marvel I espied!
A wonder of new birth,
A bit of heaven in earth—
A star in blossom!
Beneath the rose-bush bare
It braves the chilly air,
With beauty's self to bless us;
Spring's herald true! Behold,
With horn of gleaming gold,
The heaven-born Narcissus!

—Tom Puley, in *Catholic Standard*.

Obituary.

Louis Kessler.

Louis Kessler, father of Kessler Bros., N. Y., died at his home in Seaucus, N. J., March 30th, age 76 years.

Milton Haussmann.

Milton Haussman, son of the late S. Haussman, Los Angeles, Cal., grieving over the death of his father recently, committed suicide. He is survived by Miss Pauline Haussmann who will now take up the business.

Mrs. L. B. Brosch.

Mrs. L. B. Brosch, wife of Anton Brosch, Lynchburg, Va., after an illness of several months, died March 29th. She has been associated with her husband in the florist business. She is survived by her husband, two sons and four daughters.

Mrs. August Gehring.

Mrs. August Gehring of Chicago, whose husband is gardener for the Northwestern Railway, died Sunday at the home of their daughter where the parents and their nine children were celebrating the birthday anniversary of Mrs. Gehring. In response to a joke made by a grandchild Mrs. Gehring laughed heartily and died of heart failure soon after.

Dr. Noah M. Glatfelter.

Dr. Noah M. Glatfelter, of St. Louis, Mo., died at his home on April 9, of injuries inflicted by a fall from a ladder, while he was repairing a fence in his garden. He was a noted botanist, and famed for his special knowledge of willow trees. He had written several valuable pamphlets on the care and culture of mushrooms. A son and three daughters survive him. He was 73 years old.

Walter H. Knapp.

Walter H. Knapp, for 26 years a florist in Newton and Wellesley, Mass., died April 11 at Rutland after an illness of two weeks, though he had been in poor health since early winter. His body was taken to Newton, where the funeral took place from his home at 121 North street, Thursday afternoon. Mr. Knapp was born in Brookline and obtained his education in the public schools and later at Amherst Agricultural College, from which he was graduated in 1875. His first appearance in the florist business was in partnership with Mr. Callender as Callender & Knapp. Since the dissolution of the firm he has done business in his own name. He made a specialty of daisies, coreopsis, centaureas, anemones and such flowers of lesser prominence in the markets for which he established a steady demand in the Boston flower stores, in addition to his own local retail trade.

Mr. Knapp was of a quiet gentlemanly personality and highly regarded by the trade. He was a member of the S. A. F. Aside from his vocation as a florist, he won considerable local prominence as a singer in church choirs in Newton and Wellsley Hills. He was about 56 years old and is survived by his mother.

CATALOGUES RECEIVED.

- Chas. C. Nash, Kalamazoo, Mich.—Folder of Nursery Stock.
- Maloney Bros. & Wells, Dansville, N. Y.—"Fruit True to Name."
- E. H. Riehl, Alton, Ill.—Price List Everbearing Strawberries, etc., 1911.
- N. D. Pierce, Norwood, R. I.—Price List of Trees, Shrubs and Evergreens.
- Peter Fisher, Ellis, Mass.—Folder of New Variegated Carnation "Benora."
- Old Colony Nurseries, Plymouth, Mass.—General Price List of Nursery Stock.
- Geo. Wittbold Co., Chicago, Ill.—Wholesale Price List of Trees, Shrubs, Perennials.
- Charles Black, Hightstown, N. J.—Spring Price List of Small Fruits and Shrubbery.
- Robert Craig Company, Phila., Pa.—Price List of Craig Specialties for Easter, 1911.
- H. W. Koerner, Milwaukee, Wis.—Annual Wholesale Price List of Dahlias, Gladioli, etc.
- H. F. Michell Co., Phila., Pa.—Advance List of Distinctly New and Rare Perennial Plants.
- F. & F. Nurseries, Springfield, N. J.—Trade List, Spring, 1911. A condensed and useful list.
- Fraser Nursery Co., Huntsville, Ala.—Boxed Lots in Cold Storage and Surplus List, March 15, 1911.
- Geo. R. Pedrick & Son, Pedricktown, N. J.—Surplus Price Lists of Vegetable Seeds, For the Trade Only.
- J. Murray Bassett, Hammonton, N. J.—Dahlias and Hardy Plants for Spring Planting. A select list.
- Rich Land Nurseries, Rochester, N. Y.—Fruit and Ornamental Trees, Roses, Shrubs, etc. Illustrated.
- Chicago Artificial Flower Company, Chicago, Ill.—Catalogue of dried and preserved and artificial flowers.
- F. W. Kelsey Nursery Co., New York.—Trees, Shrubs and Hardy Plants—Specials for Spring, 1911.
- Alonzo J. Bryan, Washington, N. J.—Wholesale Price List of Flowering, Decorating and Vegetable Plants.
- Conrad Appel, Darmstadt, Germany.—Wholesale Catalogue and Price List of Forest and Agricultural Seeds.
- B. Hammond Tracy, Wenham, Mass.—"Cedar Acres Gladioli." An elegant little pocket list of elegant things.
- National Co-Operative Show Gardens, Spencer, Ind.—Bulbs, Plants, Seeds. Especially strong on dahlias.
- Ross Brothers, Wichita, Kans.—"Seed Book." A good list of vegetable and flower seeds, grain, implements, etc.
- Geo. H. Walker, No. Dighton, Mass.—1911 Catalogue and Pocket Guide of Dahlias. A very complete list, all sections.
- Harrison's Nurseries, Berlin, Md.—Price List of Fruits and Ornamentals, Strawberry Plants, etc., for the Trade Only.
- M. Crawford Company, Cuyahoga Falls, Ohio.—Catalogue of Strawberry Plants, Small Fruits and Gladiolus Bulbs.
- Andorra Nurseries, Chestnut Hill, Pa.—Price List of Specimen Trees, Shrubs, Roses and Fruit, Spring 1911. Illustrated.
- V. Lemoine et Fils, Nancy, France.—Catalogue and Price List for Spring 1911. Contains, as usual, many promising plant novelties.
- Vaughan's Seed Store, New York.—General Catalogue for 1911. Gladiolus Mrs. Francis King in colors forms the frontispiece attraction.
- King Construction Co., North Tonawanda, N. Y.—Descriptive list and illustrations of different types of King Iron Frame Greenhouses.
- H. F. Michell Co., Philadelphia, Pa.—"The World's Most Beautiful Dahlias." A finely illustrated catalogue of the Michell dahlia specialties.
- Peter Henderson & Co., New York.—Farmers' Manual. This is a winner. The cover illustration is a gem in itself. Send for a copy and you'll agree.
- John D. Imlay, Zanesville, O.—List of Seeds and Flowers for 1911. A useful instructive pamphlet on the care of house plants accompanies the catalogue.
- Framingham Nurseries, So. Framingham, Mass.—Trade Catalogue of Ornamental Shrubs, Hardy Perennials, Roses, etc. Everything quoted singly, in 10s and 100s.
- Eastern Nurseries, Jamaica Plain, Mass.—Wholesale Trade List. Illustrated. Invaluable to anyone having a call for good things for hardy garden or park planting.
- Ellwanger & Barry, Rochester, N. Y.—Novelties in Trees, Shrubs, Roses and Hardy Plants. A neat little catalogue, illustrated and comprising many desirable new things.
- Rockmont Nursery, Boulder, Colo.—General Catalogue of Western Native Evergreens, Shrubs and Flowers, etc., for Western Planting. Cover illustration a group of aquilegias.
- J. Woodward Manning, North Wilmington, Mass.—Floramead and Reading Nurseries, 57th Annual Price List. A very attractive illustrated catalogue of ornamental garden material.
- American Forestry Co., South Framingham, Mass.—Nursery Department List. All the valuable hardy deciduous and coniferous trees are here offered in various sizes at 100 and 1000 rates.
- Conard & Jones Co., West Grove, Pa.—Roses, Cannas, Shrubs, for the Trade April and May, 1911. Cover illustration is a portrait of Antoine Wintzer, "the dean of canna hybridizers in America."
- Rickards Bros., Bridgeman's Seed Warehouse, New York.—Catalogue of Seeds, Plants, Bulbs, 1911. Very creditable to the boys, well composed and leading the way to a line of high-class seeds and plants.
- William Tricker, Arlington, N. J.—Water Lilies, Hardy Old-Fashioned Garden Flowers, Roses, Azaleas, Rhododendrons, etc. Mr. Tricker is the water lily man, all right, and catalogues a choice list.
- Arthur De Meyer, Ghent, Belgium; McHutchison & Co., New York, Sole Agents. Wholesale Trade List 1911. A very valuable catalogue of palms, azaleas, araucarias, etc. An azalea in colors adorns the title page.
- Good & Reese Co., Springfield, Ohio.—Spring Trade List. Nephrolepis Roosevelt holds the place of honor this year in this annual publication. But there are other good things and the trade will please take notice.
- J. L. Moore, Northboro, Mass.—Catalogue and Price List of Dahlias and Gladioli, 1911. This is a very slick little catalogue; contents concise, nicely illustrated and cover daintily adorned in colors. Wholesale list also.
- Pape & Bergmann, Quedlinburg.—General Catalogue of Flower and Vegetable Seeds, Plants, etc. Colored plate of new Cactus Dahlias is an attractive feature. Cover illustration, a young lady whose smile is irresistible.
- Elm City Nursery Co., New Haven, Conn.—General Catalogue for 1911. Printed in sepia, well arranged and illustrated, this comprehensive list of hardy garden and landscape material will be found very valuable by the planter.
- Wagner Park Conservatories, Sidney, Ohio.—Plants and Plans for Beautiful Surroundings. This is a beautiful publication and fills the bill to a nicety. Anyone interested in the subject on which it treats will enjoy its perusal.
- J. F. Noll & Co., Newark, N. J.—1911 Catalogue of Seeds, Plants, Bulbs, Nursery Stock and Poultry Supplies. Covers in rosy pink—illustrating Noll's New Discovery Tomato and Countess Spencer Hybrids Sweet Peas. An up-to-date publication.
- M. H. Walsh, Woods Hole, Mass.—Handbook of Roses. This is a beautiful production—far more than a mere catalogue and will be prized as a work of art by anyone of refined taste. The cover subjects are the new climbing roses Lucile and Excelsa.
- Dingee & Conard Co., West Grove, Pa.—Dingee Guide to Rose Culture. Mrs. Jardine and Charles Dingee roses adorn the front and back cover respectively, of this year's issue of this popular catalogue. It is attractive and readable throughout.
- D. Hill Nursery Co., Inc., Dundee, Ill.—1911 Catalog and Planting Guide. A complete and finely illustrated list of ornamental evergreen and deciduous trees, shrubs, hedge plants, etc. Handsomely illustrated with individual portraits and plantations of trees, etc.
- Heller Brothers Company, New Castle, Ind.—"The Roses of New Castle." Covers illustrated with American Beauty and Mrs. David Jardine roses in colors. Several finely colored plates are among the illustrations inside and the half-tone plates are excellent. A useful classified list of roses is included.
- Henry M. Robinson & Co., Boston, Mass.—Illustrated catalogue of Florists' Supplies, Flowers, Hardy Cut Evergreens, etc. No more finished production than this has been put forth by any of the florists' supply dealers, and this young and enterprising firm deserves credit for the very practical publication now issued.
- R. Vincent, Jr., & Sons Co., White Marsh, Md.—Wholesale Trade List of Vegetable, Greenhouse and Bedding Plants. Such specialties as geraniums, dahlias, hardy chrysanthemums, etc., for which this house is widely famed, are covered in wide variety and the lists will be found most useful by the plant grower.

Tuberous Rooted Begonias

In five separate colors — White, Scarlet, Crimson, Pink and Yellow —

SINGLE, \$2.50 per 100 \$20.00 per 1000
DOUBLE, \$4.50 " " \$40.00 " "

GLOXINIAS

In four separate colors — White, Blue, Red and Blue-bordered White. **\$4.50 per 100.**

Finest Mixed, all colors —

\$3.50 per 100.

CROTONS

Fine assortment, well-colored. 5-in. pots,

\$9.00 per dozen.

FINE FERNS

Ready for Immediate Retail Sale

We have an exceptionally fine and large stock of the following varieties—first-class plants of exceptionally good value,—plants that will please the most critical buyers, both in regard to quality and value.

NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. It has not reverted in the last four years.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$12.00 to \$18.00 per dozen; large specimens in 12-in., pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scotti does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$18.00 per dozen; extra fine specimens, 12-in. pans, \$5.00 each.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted,—*Pteris Mayii*, *Wimsetti*, *Adiantoides*, *Aspidium tsusimense*, *Cyrtomium falcatum*, etc.

Nice plants, 2½-in. pots, \$3.50 per 100.

F. R. PIERSON COMPANY, Tarrytown-on-Hudson, NEW YORK

EASTER PLANTS, PHILADELPHIA.

Aided by the fine weather of the past few days the Easter plant men of Philadelphia, up to the present writing (Tuesday), have had the time of their lives. One of the principal shippers from this point, (the Robert Craig Co.) reported that last Sunday they had broken all records by getting off for that one day 180 big cases. A fierce struggle and strain, yet how few of the dainty ladies among our ninety millions will think of that next Sunday morning?

The azalea and the Easter lily are as usual the leaders in the procession for popularity; although the Rambler roses in their many varieties crowded the favorites more closely than ever before. The newer Ramblers, especially in the big, well trained specimens have met with extraordinary favor.

This certainly has been a great lily year. Many of the leading growers increased their plantings and yet every bit of good stock was sold out in advance and orders were being turned down by Tuesday. How the retailers fared in this proposition will not be known until next Sunday of course. The short lily was very much in evidence, and this was the class the department stores were retailing at 15 cents while the first-class flower stores could easily get 25 for good stock that cost wholesale 15 to 17½ cents. There is no diminution in the general popularity of the azalea and enormous quantities were grown and disposed of. Hydrangeas are extra good this year and in much favor. Mms. Moliere was in evidence in limited quantity. It has

a bigger flower and more substance than Thomas Hogg. The late season favored the genista also—this item being unusually well done. Chas. Mecky had one of the finest lots that have ever been grown in this neighborhood.

Gladstone still holds the fort as the best of the spireas for Easter trade and enormous quantities of well done stock were to be seen everywhere. This is undoubtedly the best all 'round commercial variety to date. The pink Queen Alexandra was shown in limited quantity and met with ready sale. Another good subject was the Marguerite (*C. frutescens*) white, yellow and Queen Alexandra. We have never seen these better done. Grand rhododendron year. Everything at all passable sold.

In the decorative plant line there was no active trading except in ferns and a few bright foliaged things like crotons and *Pandanus Veitchii*. But it was surprising to see how many ferns went. Nearly every order called for some, and all the many varieties of *Nephrolepis* from four-inch up to specimens went in goodly quantities.

The foregoing covers the situation; but we may add that some minor items such as hyacinths, daffodils, and tulips had a very good sale—the cool weather conditions having favored the bringing of these subjects to market in form and finish such as we seldom see. We may mention among the things not seen everywhere—a few items such as American Pillar rose—an outstanding gem of the first water among the Ramblers—notwithstanding that Robert Craig is up in the seventh heaven about Juanita.

Spirea, Anthony Waterer—This is a

nice thing; but not striking enough to ever make a really good Easter plant.

Ericas—These were in evidence in limited quantity and were eagerly sought for by the first-class stores for basket work. No local growers that we know of could supply these. The basket work seen around the big retail stores is as extensive and elaborate as ever and showed no diminution in the enterprise of the proprietors nor in the skill of the artists. In addition to dainty baskets, lovely ribbons, and other garnishings—they have this year gone a bit further and now add bird nests and butterflies! Stop it, gentlemen, before you get out of the fine-art realm and into the cheap tinsel of the Christmas tree territory! Your scribe will get his hide well curried for daring to make this last remark but it is true, nevertheless, and time will amply vindicate the proposition. There is just as much danger in overdoing as in under-doing. There were a good many specimen gardenia plants around. Hardly see how this can ever make a satisfactory Easter plant. Buds too easily tarnished.

A highly progressive Nebraska nurseryman, ever on the alert for new things, going into the woods a few weeks ago found, as he thought, a beautiful little plant holding its winter berries. "Just the thing exactly for borders," he said, and forthwith he gathered a large quantity and took them home to plant out. At once his wrists commenced itching and soon they were swollen to nearly twice their normal size. He said, "I never saw poison ivy before." He has seen it now

Extra Choice Grafted Rose Plants

Pink and White Killarney, Richmond and Maryland

In 2½-in. pots read for delivery April 15th

\$12.00 Per 100

These young plants are taken only from selected wood of our strongest stock.

Kaiserin, own root, 2 1-2 in. \$4.00 per 100; \$35.00 per 1000.

Bassett & Washburn,

**OFFICE: 76 Wabash Av., Chicago, Ill.
GREENHOUSES: Hinsdale, Ill.**

CHICAGO NOTES.

Park Extension.

At "Greater Lincoln Park," assured to the north shore by the two-to-one vote on election day that authorized the \$875,000 bond issue, an extra force of men is at work on the extension that practically will double the area of the park and an attempt will be made to have the bulk of the undertaking completed before another winter sets in.

"The tremendous majority with which the bond issue was passed is a strong indication of the affection of the people of the North Side for Lincoln Park," said Francis T. Simmons, president of the Lincoln Park Commission. "Lincoln Park has been the people's park as probably no other park in existence has been. It is within two miles of the center of the city, while all the other big parks are several times as far away."

Trade News.

A. F. Longren is just back from a southern trip for the E. H. Hunt supply house and leaves at once for another. Mr. Longren reports business as good in the territory he has visited.

F. F. Lindsay and R. F. Stilling, of Hiawatha Gardens, Minneapolis, recently purchased a tract of land midway between Minneapolis and St. Paul and will put up 50,000 sq. ft. of glass this spring. They visited Chicago last week and purchased supplies.

Since moving their office into Chicago, the business of the Chicago Carnation Co. has increased materially. They will move May 1st to their larger quarters in the same building, where a fine large ice box is being built. They expect to build two new houses this spring. Some splendid Mary Tolman and Sangamo carnations were seen there Monday.

During his visit in Chicago last week T. D. Smedly, of Fargo, N. D., said business was good in the west. He also has a store in Miles City, Mont., and has found no difficulty in getting his stock from Chicago through without loss, during the coldest weather. Mr. Smedley used 3500 carnations for his Christmas trade and has ordered his Easter flowers from Chicago.

Personal.

E. B. Washburn, who has been ill for the past week, is convalescing.

Wm. Wolf of A. Lange's is ill and missing a busy week in the store.

Geo. Hoff was able to leave the hospital Wednesday, and is receiving the congratulations of his friends.

Myron H. West resigns his position

as superintendent and secretary of Lincoln Park and will go into business for himself. Mr. West has been associated with the Lincoln Park system for five years and is known for his successful work. His successor is A. S. Lewis, who has been assistant superintendent.

Jas. G. Hancock and family, of La Grange, Ind., were tendered a farewell dinner by forty friends and neighbors April 6, and were presented with a handsome token of their regard. Mr. Hancock is moving his family into

Chicago, and leaves his home in La Grange with regret. Mr. Hancock was for many years junior member of the firm of Geo. Hancock & Son, Grand Haven, Mich., and came to La Grange six years ago. He is now in charge of the office for F. Oechslein.

Visitors—F. E. Lindsay and R. F. Stelling, Minneapolis, Minn.; S. W. Pike and two sons, St. Charles, Ill.; T. D. Smedly, Fargo, N. D.; E. Wills, Indianapolis, Ind.; R. J. Windler, St. Louis, Mo.; H. Philpott, Winnipeg, Man.

Easter Plants

Send your orders direct to the Mill, the great Mill of Plant Production that never ceases, of Godfrey Aschmann, well known for Decorative Plants from ocean to ocean.

LILIU MULTIFLORUM green as grass, good foliage from bottom up, 6-in. pots from 12 to 30 inches high. Plants with 5 to 10 buds, 10c. per bud; plants with 2 to 4 buds, 12c. per bud.

HYDRANGEA OTAKSA every branch nicely staked up, 6, 7 and 8-inch pots, 35c., 50c., 75c., \$1.00 to \$1.50.

SPIREA GLADSTONE, 6 and 7-inch pots full of flowers, 35c., 50c., 75c., \$1.00.

CINERARIA HYBRIDA GRANDIFLORA, all colors, mixed, 5½ to 6-inch pots, 25c., 35c., 50c., 75c., \$1.00.

AZALEA INDICA, selected by myself on my trip to Belgium last year, 1910. Good best American varieties, Mme Van der Cruyssen, double pink, 75c., \$1.00, \$1.25, \$1.50 to \$2.00. Simon Mardner, double pink, Vervaeneana, De Schreyeriana, Empress of India, double variegated, 50c., 60c., 75c., \$1.00, \$1.25, \$1.50, \$1.75 to \$2.00. Apollo, red, 50c., 60c., 75c. Deutsche Perle, Niobe, white, 60c., 75c., \$1.00, \$1.25 to \$1.50. Bernard Andreas Alba, also white, and large Niobe, \$1.50 to \$2.00.

CRIMSON RAMBLER ROSES, large plants 30 by 36-40 inches high, 75c., \$1.00, \$1.25, \$1.50.

HYACINTHS, four best colors: Gertrude, pink, King of the Blues, dark blue, Grand Maitre, light blue, La Grandesse, white, 4-inch pots, \$1.20 per 100.

TOURNESOL, best double variegated and Murillo double rose Tulips, 3 bulbs in one pot, \$1.80 per doz., \$15.00 per 100 pots.

VON SION DAFFODILS, best double yellow narcissus, 3 bulbs, in 6-inch pots, \$2.50 per doz. pots.

ARAUCARIA EXCELSA, 6 and 7-inch pots, 4, 5, 6 and 7 tiers, 4 to 5 years old, 25, 30 and 35 inches high, 75c., \$1.00, \$1.25, \$1.50 to \$2.00.

ARAUCARIA GLAUCA, 6 to 7-inch pots. **ARAUCARIA ROBUSTA COMPACTA**, 6 to 7-inch pots, \$1.25, \$1.50, \$1.75 to \$2.00.

KENTIA FORSTERIANA, 6-inch pots, 30 to 40 inches high, \$1.00, \$1.50 to \$2.00.

KENTIA BELMOREANA, single plants, 6 to 7-inch pots, \$1.50 to \$2.00.

KENTIA BELMOREANA, combination plants, 3 plants in one pot, 30 to 40 inches high, \$1.25, \$1.50 to \$1.75.



FERNS

ASPARAGUS SPRENGERI, 4-inch, 10c; 2½-inch, 4c.

NEPHROLEPIS BOSTONIENSIS, 5½ to 6-inch, 40 to 50c.

NEPHROLEPIS SCHOLZELI, 6-inch, 50c.; 7-inch, \$1.00.

WHITMANI, 7 to 8-inch, \$1.25 to \$1.50. **SCOTTII**, 5, 5½ to 6-inches, 35c., 40c., 50c.; 7-inch, \$1.00; 8-inch, \$1.50.

NEPHROLEPIS GIATRISII, a new fern very graceful, of weeping habit, 5, 5½-inch pots, 30c., 40c., 50c. Small 4-inch, 20c.

LATANIA BORBONICA (Chinese Fan Palms) 30-inches, 6 to 7-inch pots, 40c., 50c., 75c.

DRACAENA BRUANTII, 6-inch, 35c. to 40c.

BEGONIA REX, 5½ inches, 25c. **IPOMEA NOCTIFLORA** or Aschmann's well-known, pure white, waxy Moon Vine, 2½ inch, \$5.00 per 100. Now is the time for you to plant them into 4-inch pots, will make plants for you by May 25th.

FERNS FOR DISHES, assorted, \$4.00 per 100.

Cash with order please, no references. All plants travel at purchaser's risk only. Mention if pots are wanted.

GODFREY ASCHMANN

Importer and Wholesale Grower and Shipper of Potted Plants

1012 West Ontario Street

PHILADELPHIA, PA.



DELPHINIUM BELLADONNA.

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$1.50 per dozen, \$12.00 per 100, \$100.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinense Blue and White. 75 cents per dozen; \$5.00 per 100.

Choice and Rare Named Hybrid Varieties

Amos Perry. Symmetrically formed, semi-double flowers of a rich rosy-mauve, flushed sky-blue, conspicuous black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Amyas Leigh. Large spikes of rich sky-blue flowers, the inner petals rich rosy-plum with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Belladonna. The freest of all, never out of bloom. Beautiful turquoise-blue flowers. 15 cents each; \$1.50 per dozen; \$12.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye. \$2.50 per dozen; \$20.00 per 100.

Julia. Gigantic flowers of a pretty "Cornflower" blue, beautifully veined with rose and large pure white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$18.00 per 100.

Mme. Emma Zaiser. Flowers nearly 2 inches in diameter, rich cambridge-blue, flushed rose, jet-black-centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mme. Violet Geslin. One of the finest, flowers perfectly round, clear blue, centre lavender, with bold white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Musea. Large circular flowers of a curious shade of rosy-mauve, edged cambridge-blue, with dark eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Portia. Lovely "Cornflower" blue, with faint flush of rose and black centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Queen Wilhelmina. Massive spikes of sky-blue flowers flushed with rose, with very large pure white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Rembrandt. Large loose spikes of bright sky-blue flowers, inner petals rosy-lavender, the whole suffused with a silvery sheen. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

NEW WHITE DELPHINIUM.

Hybridum Moerheimi. The first really pure white Delphinium introduced and a sterling novelty; a strong vigorous grower and a remarkably free bloomer. Stock limited, \$2.00 each.

Dreer's Superb Double Hollyhocks

We have this season a fine lot of strong, clean, healthy, vigorous one-year-old flowering plants of the finest strain, as under:

Double White,	Double Yellow,	Double Rose,
Double Pink,	Double Red,	Double Maroon.

\$1.50 per dozen; \$10.00 per 100.

Single Mixed	Per doz.	Per 100	Double Mixed	Per doz.	Per 100	Double Fringed Allegheny	Per doz.	Per 100
...	1.25	8.00	...	\$1.25	\$8.00	...	1.25	8.00

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

For a complete list of Hardy Perennials and other seasonable stock see our current wholesale list

The above prices are intended for the trade only

CHRYSANTHEMUMS

and ASTER SEED

ELMER D. SMITH & CO., Adrian, Mich.

FERNS

Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

Gladiolus, Cinnamon Vines

Madeira Vines, Lilies, Iris, Daphne
Cneorum, Syringa Japonica
and Wistarias.

Write for Price List.

E.S. MILLER, Wading River, N.Y.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;
\$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

1911 Quincy St., CHICAGO, ILL.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Parkins Street Nurseries, Roslindale, Boston, Mass.
Price list on application.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

BOSTON FERNS, $\frac{1}{2}$ inch \$30.00 per 1000.
WHITMANI, $\frac{1}{2}$ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.
MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N.Y.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

Decoration Day Roses

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Hardy Perpetual Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name: Price, 75 cts. for 5 (of one variety), \$13 per 100, \$120 per 1000 (immediate delivery).

Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Large, pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Delicate flesh color.
Chio. Satin blush; very fine new sort.
Duke of Edinburgh. Bright vermilion.
Fisher Holmes. Dark velvety crimson.
Fran Karl Druschki. The finest white in existence.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson; the popular Rose.
John Hopper. Bright rose, with carmine center.
La France. Peach-blossom pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh center.
Marshall P. Wilder. Cherry-rose and carmine.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Light, satiny pink.
Mrs. John Laing. Rich, satiny pink.
Mrs. Sharman Crawford. Deep rosy pink.
Paul Neyron. Lovely dark pink.
Persian Yellow. Hardy yellow rose.
Prince Camille de Rohan. Dark crimson-maroon.
Soleil d'Or. Large, globular flowers, varying in color from gold and orange to reddish gold, shaded with nasturtium-red.
Ulrich Brunner. Cherry-red; grand rose; free. For Prices, see above

English Moss Roses

Assorted, White, Pink, Red. Large dormant plants, from open ground. 75 cts. for 5, \$14 per 100.

Baby Rambler Roses

PHYLLIS. Very fine clear pink, highly recommended. \$1.25 for 5, \$20 per 100.
PHYLLIS (Grown as a Standard). \$2 for 5, \$35 per 100.
BOSKOOP BABY. Color beautiful shade of China rose, very free-flowering and easily forced. \$3.25 for 10, \$30 per 100.
BABY DOROTHY. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85 cts. for 5, \$15 for 100.
BABY DOROTHY (Grown as a Standard). For description, see above. 50 cts. each, \$4.75 for 10, \$45 per 100.
CATHARINE SEIMETH. A very important novelty. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. It has the true rose perfume. 85 cts. for 5, \$15 per 100.
MRS. WM. H. CUTBUSH. A grand acquisition to the Baby Rambler class. Color intense crimson and exceptionally free-flowering. 85 cts. for 5, \$16 per 100.
MME. NORBERT LEVASSEUR (Baby Rambler). Strong, field-grown plants, 75 cts. for 5, \$14 per 100.
BABY RAMBLER (Grown as a Standard). The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40 cts. each, \$3.75 for 10, \$35 per 100.

Ramblers and other Climbing Roses

CLIMBING BABY RAMBLER (Miss C. Mesman). A novelty for 1911, where the Baby Rambler is popular, the climbing type will soon become so, too. We have a small stock, and offer same as follows. It is a true Polyantha type, color deep rose. 50 cts. each, \$2.25 for 5, \$40 per 100.
GLOIRE DE DIJON. Color buff, orange center, very sweet-scented. Field-grown. \$1.50 for 5, \$22.50 per 100.
CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 5 feet, \$1.75 for 10, \$15 per 100; 4 to 6 feet, \$2.25 for 10, \$20 per 100; 7 to 8 feet, extra heavy, \$4 for 10, \$35 per 100.
DOROTHY PERKINS. Resembles the Crimson Rambler, except in color, which is a lovely shell pink, holding a long time without fading. 4 to 5 feet, \$1.75 for 10, \$15 per 100; 8 to 9 feet, \$2 for 10, \$18 per 100.
TAUSENSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$1.75 for 10, \$15 per 100.
TAUSENSCHON (Grown as a Standard). Fine for forcing. 40 cts. each, \$3.75 for 10, \$35 per 100.

Something New in Roses for Florists

Half-Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (Half Standard). Deep pink. 40 cts. each, \$4 per doz., \$30 per 100.
BABY RAMBLER (Half Standard). Crimson. 40 cts. each, \$4 per doz., \$30 per 100.
BABY CATHERINE SEIMETH (Half Standard). White. 40 cts. each, \$4 per doz., \$30 per 100.
BABY "STARS AND STRIPES" (Half Standard). White and red grafted on the same plant; most attractive. 45 cts. each, \$4.50 per doz., \$35 per 100.
PHYLLIS (Half Standard). Carmine pink. 45 cts. each, \$4.50 per doz., \$35 per 100.
TAUSENSCHON (Half Standard). Soft pink. 40 cts. each, \$4 per doz., \$30 per 100.
MRS. CUTBUSH (Half Standard). Rose pink. 40 cts. each, \$4 per doz., \$30 per 100.

Well-Known Climbers

Mme. Plantier. White.
Baltimore Belle. Pale blush color.
Prairie Queen. Red, changing to pink.
Seven Sisters. Clear pink.
75 cts. for 5, \$14 for 100

English Grown Hybrid Tea, or Everblooming Roses, etc.

Hybrid Tea or Ever-blooming Roses are becoming more popular every year. As hardy as the perpetuals, with slight protection in Winter, they give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

THE GRAND ROSE LYON. Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large with broad petals, full and globular in form; shrimp pink at the ends of the petals, center coral-red or salmon-pink, shaded with chrome yellow. Very fragrant. 40 cts. each, \$1.75 for bundle of 5, \$30 per 100.

THE KILLARNEY ROSE. This is a grand Rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion. Strong, 2-year-old field-grown stock, \$1.25 for bundle of 5, \$22.50 per 100.

MAMAN COCHET ROSES. The best of all Roses for Summer-flowering and cutting.

Maman Cochet (Pink). Color is clear, rich pink, changing to silvery rose; very double and fragrant.

Maman Cochet (White). A sport from the above, with all its characteristics; color a beautiful snow-white, at times tinted with the faintest suggestion of blush, the same as is often found in the Bride.

\$1.25 for bundle of 5, \$22.50 per 100.

ROSE, Etoile de France. Flowers large, possessing petals of very good substance; magnificent cupped form. Superb crimson-red velvet, the center of the bloom vivid cerise-red. The flowers are very fragrant and last very long. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced. Strong, 2-year-old plants, field-grown, 85 cts. for bundle of 5, \$15 per 100.

BESSIE BROWN. Creamy white, \$2.50 for 10, \$22.50 per 100.

GRUSS AN TEPLITZ. No Rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower, \$1.75 for 10, \$15.00 per 100.

VISCOUNTESS FOLKESTONE. A large full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous, \$1.25 for 5, \$22.50 per 100.

HERMOSA. Soft pink; flowers full and freely produced; a good grower, \$1.25 for 5, \$20.00 per 100.

RICHMOND. The well-known red Rose of commerce, \$1.25 for 10, \$22.50 per 100.

PRESIDENT CARNOT. Almost pure white Rose, shading to soft pink, very distinct and excellent for indoor or outdoor Summer growing, \$1.25 for 5, \$22.50 per 100.

BETTY. Copper-yellow, overspread with golden-rose. A fine formed Rose, large and moderately full, \$1.75 for 5, \$25.00 per 100.

MADAME ABEL CHATENAY. Carmine-rose, shaded salmon-pink, \$2.50 for 10, \$22.50 per 100.

MILDRED GRANT. Cream, with a faint blush of pale rose, \$2.50 for 10, \$22.50 per 100.

AMERICAN BEAUTY. Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous. Strong, field-grown plants, 75 cts. for bundle of 5, \$14 per 100.

CAROLINE TESTOUT. Bright satin-rose, with brighter center, large full, globular; sweet-scented. \$1.25 for bundle of 5, \$22.50 per 100.

We carry a much larger list of Hybrid Teas in our retail catalogue, which will be sent on application.

KAISERIN AUGUSTA VICTORIA. An almost pure white Rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer-blooming. Bundle of 5 for \$1.25, \$22.50 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK CITY

PLANT for IMMEDIATE EFFECT BROAD LEAVED EVERGREENS

Rhododendron Maximum, 2-5 feet high

Kalmia latifolia, 1-3 ft. high

in carload lots and small quantities. We also have a fine stock of hardy hybrid **Rhododendrons**

Eastern Nurseries, Jamaica Plain, Mass.

HENRY S. DAWSON, Manager

Write for Prices

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York

BEGONIAS

Begonia Glorie de Lorraine, Begonia Lonsdale, \$15.00 per 100, \$140.00 per 1000.

Begonia Glory of Cincinnati, \$25.00 per 100, \$200.00 per 1000, 250 at 1000 rate. Strong 2½ in. pot plants, twice transplanted. No better stock obtainable. Place your order early to insure May and June deliveries.

Absolute satisfaction guaranteed. Katalog for the asking.

SKIDELSKY & IRWIN CO.

1215 BETZ BUILDING, PHILADELPHIA, PA.

FIELD STUDIES OF TREES AND SHRUBS.

Mr. J. G. Jack will conduct a Field Class at the Arnold Arboretum on Saturdays during the spring and early summer, to assist those who wish to gain a more intimate knowledge of the native and foreign trees and shrubs which grow in New England. The instruction will be given in informal outdoor talks and examination of the plants. Unless otherwise notified the class will meet promptly at 10 o'clock in the morning, on Saturdays, in the Arboretum, at the Forest Hills entrance.

The class will open Saturday, April 15th, and close June 24th. Two hours will be devoted to each meeting. During the season the class may meet two or three times outside of the Arboretum at some favorable place for the study of trees. These meetings may each take up a half-day. The course is open to both men and women. The fee for the course is \$5.00, payable in advance.

Applications or further inquiries may be addressed to Mr. J. G. Jack, Jamaica Plain, Mass.

Seeds for Spring Planting are now in order. If you want straight stock from straight dealers, see the list of offers in Buyers' Directory, page 586, this issue.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators. Stereopticon lectures on Horticulture and Arboriculture.

ROSES

A. N. PIERSON, Inc.

Cromwell, Conn.

"Nothing but Roses"

Spring List ready, 200 old and new sorts, 2½ and 4-in. on own roots.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

The Shatemuc Rose

Our new Seedling from Rosa multiflora nana. Double flowers in full clusters on long sprays.

Delicate Peach blossom color.

Strong plants for flowering this summer, 75 cts. each.

SHATEMUC NURSERIES, Barrytown, Dutchess Co., N. Y.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lillies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

HOLLYHOCKS

Large field-grown roots, at \$6.00 per 100; \$50.00 per 1000. Double White, Yellow, Pink, Salmon, Red and Maroon. Write for samples. Also list of Other Perennials.

Cash with order, please.

GEO. F. KIMBEL, Flourtown, Pa.

Water Lilies

Hardy, Old-Fashioned Garden Flowers
HYBRID TEA ROSES, AZALEAS,
RHODODENDONS, etc.

Send for Catalogue

WM. TRICKER, - Arlington, N. J.
WATER LILY SPECIALIST

SEEDS

Asparagus Plumosus \$2.00 per 1,000.
SPRENGER \$1.00 per 1000. STRAWBERRY GUAVA .20 cts. oz. SMILAX 25 cts. per oz. All from my own plants.

C. H. Gardiner, South Pasadena, Calif.

¶ We understand some people are offended occasionally by our advertising. Now we don't expect to please everybody and we are always willing to be criticised, for none of us are perfect in our lives; but it seems strange that no one will write us just why they are offended. Some people like to be lathered with flattery and then massaged with egotistical slush. It makes them feel their oats, as the farmer says, and as soon as they are truthstruck it paralyzes them. Their judgment is so warped that their thoughts run like a scenic railway car. Be a man and use common sense. If we are wrong, criticise us—we want criticism. The only difference between us and some other firms in this line is that we tell you right out what we think while the others think the same but say nothing. Don't be afraid of just criticism—you ought to be thankful for it.

¶ Our goods we praise because we sincerely believe they are positively the best imported. We don't care what others say nor what the prices of other firms are—we make our own prices and we deliver the goods—the best money can buy.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

Seed Trade

Weather a Drawback.

Cold unseasonable weather continues and retail seedsmen who are largely dependent on counter trade are becoming very anxious over the outlook. Many feel that ground once lost in this business is never wholly recovered and there is ample reason for more or less discouragement. However, warm weather must soon make its appearance and then there will be busy times ahead for all those in the retail trade.

Canning Machinery and Supplies Association.

Some weeks ago the directors of the Canning Machinery and Supplies Association met in Chicago and decided to hold a machinery exhibit at the annual convention in 1912, provided the place selected for the convention is not so remote as to make the transportation charges on the machinery back and forth too expensive to make an exhibit desirable. Some time ago it was announced that Rochester, N. Y., would probably be the place chosen and it still looks that way, although the matter has not been finally disposed of, and other cities have been bidding for the convention. Some time this month the matter will be finally settled.

Canners' By-products.

These seedsmen who are subscribers to "The National Canner and Dried Fruit Packer," the leading organ of the canning industry, may have noticed the advertisements of seed for sale mainly by canners. Odd lots of peas, beans, corn, and tomato seed are offered, and one may often wonder where all this stuff comes from. Well, some of this seed offered is no doubt high-grade stock, but much of it is junk, being largely by-products of the canneries. While these concerns are very severe in their criticisms of the seedsmen, if everything does not pan out to their entire satisfaction, they do not hesitate to unload any old thing on one another.

Conflicting Legislation.

Reference was made in a recent issue to legislation affecting canned goods, and it was remarked that our canner friends are having their troubles much as the seedsmen, from ignorant and more or less ridiculous and impractical legislation. It would seem as if these two industries might very properly work together to secure a national law that would be reasonable and practical, and so far as possible bring about the repeal of state laws, many of which are conflicting, and in trying to carry out the provisions of one state act they not infrequently find themselves in conflict with those of other states. The only sensible course to follow in the adoption of laws regulating inter-state commerce, is for the National Government to legislate in the matter and we believe the necessity for this will ultimately be seen by all interested parties and put into effect.

American Seed Trade Association.

It has been decided to hold the next annual convention of the American Seed Trade Association at Marble-

head, Mass. The convention will meet on June 20th, 21st and 22nd, 1911.

The hotel selected is the "Rockmere," one of the very best hotels on the famous North Shore of Massachusetts. The hotel occupies a beautiful and commanding view of one of the finest harbors, as well as the most interesting on the Atlantic Coast. On one side the deep waters and bold rocks of the coast lined with beautiful summer homes, and on the other the old colonial fort, form a vivid and contrasting picture of the old and the new.

Nearly every room at the "Rockmere" commands this beautiful view. The old town of Marblehead with its ancient churches, hip roofed mansions, with brass-door knockers, little old-fashioned flower gardens and the winding, twisting streets, with its ancient and historical landmarks, makes it one of the most interesting places on the New England coast. Marblehead is only 17 miles from Boston. Trains on the Boston & Maine Railway leave every hour from the North Union station and tickets can be purchased direct to Marblehead and baggage checked through.

It is thought by some of the officers of the Association, that this, the 29th Annual Meeting of the Association will be the largest ever held. Extra efforts are being made for an unusually good program and there will be plenty of amusement, with special entertainment provided for the ladies.

Free Seeds in Bayonne.

Bayonne has a "growing" population. Several sacks filled with flower and vegetable seeds were received at the Bayonne City Democratic Clubhouse, Broadway and Twenty-seventh street, recently, and before nightfall two or three thousand packages had been distributed. The callers from the Centreville section started a run on tomato, lettuce and other vegetable seeds, while the flower seed packages were much in demand by residents in the Bergen Point section and the territory north of Twenty-seventh street. The seeds were sent under the frank of Congressman Eugene F. Kinkead. The Bayonne City Republican Club was not forgotten either. There are numerous Republicans in Bayonne who like vegetables and flowers grown by themselves in their own garden plots. *"Jersey City Journal."*

Where's O'Mara?

Notes.

The Jensen Floral Farms of Cockerham, Lancashire, England, has opened an office at 546 Fifth Avenue, New

EXTRAORDINARY NOVELTY

The First Ruffled Gladioli GLADIOLUS KUNDERDI "GLORY"

Wavy, ruffled petals give the flower the appearance of an Orchid. Color, creamy pink.
Each 20c; Doz. \$2.00; 100 \$15.00

Write for Special Circular.

HENRY F. MICHELL CO.

518 Market St.

Phila., Pa.

York City, for the sale of English flower seeds, so-called.

We have heard nothing recently about damage to California seed crops and conclude that the reports which recently came from the coast had not a serious foundation, or at least that the alarm expressed by some of the California seed growers was hardly justified by the facts.

Potatoes from Maine are being placed on the market in St. John, N. B., at 40 cents a barrel less than the prevailing wholesale price for the home product. Several local grocers have placed orders for potatoes with Maine dealers for \$1.60 per barrel, delivered in St. John, freight and duty paid. The same dealers found that they could not get the home-grown product delivered there for less than \$2 a barrel. And yet the Maine Grangers are afraid of reciprocity!

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

SEEDS BULBS

For Immediate Planting
Finest Florist Strains

"BUDS"

C. R. CLOECKNER, Pres.
76 Barclay Street, New York

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

WEEBER & DON

Seed Merchants and Growers. 114 Chambers St., City

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,
82 Dey Street,
Orange, Conn. New York City.

All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
Marigolds, Gourds.

VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
Onions, Peas, Radish, Squash.

Lawn Grass and Clover Seeds, Best
Grades of Farm Seeds.

Dahlias, Tuberoses, Gladioli, Tuberous Begonias
Lycoris, Cannas, Coleus, Geraniums.

Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

JAMES VICK'S SONS

SEEDSMEN

ROCHESTER, N. Y.



BEGONIAS GLOXINIAS

in separate colors

Asters in all varieties and
in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - - BOSTON

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

ONION SETS

Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C.
E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910,
writes as follows:— "I want to state that your three
grades of Poultry Food; Chick Starter Developing
Food and "Square Deal" Scratch or Poultry Food
stands without an equal to day. They are perfect
mixtures and sound in grain and a pleasure to
handle."

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

In ordering goods please add "I saw
it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

*Thorburn's
Seeds*

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

W. H. Scarff.

O. O. Vale.

MIAMI VALLEY SEED CO.

NEW CARLISLE, O.

We grow all the standard varieties of
field corn. Write for wholesale prices.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

In ordering goods please add "I saw
it in HORTICULTURE."

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Albany, N. Y.—W. C. King has given
up his store on Steuben street.

New York, N. Y.—Charles E. Gruen-
wald, florist, has moved to 257 Colum-
bus avenue from his old stand at Co-
lumbus avenue and 72nd street.

Hyde Park, Mass.—A delivery wag-
on belonging to E. Sutermeister estate
was ruined by fire, with its load of
flowers recently. An oil stove used as a
heater became over-turned.

St. Louis, Mo.—Robert J. Windler,
florist, 2300 South Grand avenue, has
announced his engagement to Miss
Amy Zender, the wedding to take
place in Chicago some time in June.

Omaha, Neb.—Hruban Bros., flor-
ists, 29th and Dorcas streets, have dis-
solved partnership. Albert will con-
tinue the business and Method will

STEAMER DEPARTURES

Hesperian, Boston-Glasgow..Apr. 18	Anchor.
P'delphia, N. Y.-S'hampton..Apr. 15	
St. Louis, N. Y.-S'hampton..Apr. 22	
California, N. Y.-Glasgow..Apr. 15	
Columbia, N. Y.-Glasgow..Apr. 22	
Ivernia, Boston-Liverpool...Apr. 18	
Lusitania, N. Y.-Liverpool...Apr. 19	
Carmania, N. Y.-Liverpool...Apr. 22	
Pres. Grant, N. Y.-H'mb'rg..Apr. 15	
K. A. V'tria, N. Y.-H'mb'rg..Apr. 20	
Rotterdam, N. Y.-Rotterdam..Apr. 18	
Ryndam, N. Y.-Rotterdam...Apr. 25	
Devonian, Boston-Liverpool..Apr. 19	
P. Irene, N. Y.-Medit'r'n'n..Apr. 15	
K. Wilhelm II, N. Y.-Br'm'n..Apr. 18	
Bremen, N. Y.-Bremen....Apr. 20	
K's'r W. D' G., N. Y.-Br'm'n..Apr. 25	
Finland, N. Y.-Antwerp.....Apr. 15	
Lapland, N. Y.-Antwerp.....Apr. 22	
Celtic, N. Y.-Liverpool.....Apr. 15	
Teutonic, N. Y.-S'hampton...Apr. 19	
Baltic, N. Y.-Liverpool.....Apr. 22	
Zeeland, Boston-Liverpool...Apr. 25	

enter the employ of Prospect Hill
Cemetery.

Charleston, W. Va.—Owing to rap-
idly increasing business, the Charles-
ton Cut Flower Co. have moved to
larger quarters at 19 Capital street.
The greenhouses will still be run at
the old location.

SOME GOOD POINTS IN THE RECI- PROCITY TREATY.

Clover and timothy seed, heretofore
paying 10 per cent into Canada are to
be admitted free of duty. Garden and
field seeds are also made free as
against a former duty of 10 per cent.

We see nothing about cut flowers.
We trust someone will make an amend-
ment before the bill becomes a law,
so that the lovely blooms of our sunny
south may not be prohibited from the
bosoms of the brilliant and charming
sisters across the line. We want real
reciprocity—not the sham kind. And
no Canadian that we know would be
ungallant enough to charge a tax on
the corsage bouquet of their young and
fair. Perish the thought!

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571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

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Flowers shipped on all Steamers. Special Correspon-
dents in all the large cities of Europe and the British
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Flower Deliveries

In Brooklyn and other Long Island Points
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Theatres, Hotels, Steamers or Residences.

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Fulton St. and Greene Ave., Brooklyn, N. Y.

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DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE Florists' Supply House of America

Anything you need in the line of Florists' Supplies we can furnish. Send to us. Catalogue on request.

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Established 1874.

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All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

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Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points.

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALLEY, Wellesley, Mass.**
Tel. Wellesley 44-2 and 3. Night 44-3



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked
1164-66 Greene Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

50,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

A new retail store, known as Jen-nison's Flower Shop, was opened April 9th, at 5305 West Chicago Ave., Chicago.

Do you need Geraniums? Consult the Buyers' Directory, page 584.

A DETROIT WINDOW.



Our illustration depicts one of the show windows of Breitmeyer's, Detroit. The subject is spring flowers and the beautiful Roman fountain

gives character to the grouping. Glass reflections always interfere with the photographic reproduction of window displays and this picture suffers from that cause.

NEW FLOWER STORES.

Calumet, Mich.—Harper & Thomas.
Grand Rapids, Wis.—M. Phillips, Gouger Bldg.
Boston, Mass.—W. R. Finlay, 175 Federal street.
Atlantic City, N. J.—W. F. Shehan, 933 Boardwalk.
Chicago, Ill.—J. A. Jensen, 53rd and Chicago avenue.
Toronto, Ont., Can.—J. J. Higgins, 824 Yonge street.
Brooklyn, N. Y.—Alex. Smith, Gates and Marcy avenues.
New York, N. Y.—H. F. Clark, 42nd street and 5th avenue.
Denver, Colo.—W. C. Walter, 15th and Cheyenne streets.
Denver, Colo.—The Cut Rate Flower Store, 246 Broadway.
San Francisco, Cal.—The Sign of the Rose, Powell and Market streets.
Paterson, N. J.—Thos. McQuillan and P. J. Martin, 273 Main street.
St. Louis, Mo.—Kohr Floral Co., Turner Hall Bldg., South Grand avenue.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1706 B'way
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

VALLEY Fancy, \$4.00 per 100
First, \$3.00 per 100

BEAUTIES \$4.00 per Doz.
\$30.00 per 100

Easter Lilies \$1.50 per doz.
\$10.00 per 100

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

**To Cut Flower Growers and
Retail Florists**

IF YOU

want to find a market for your
product

want a regular or special supply
of the product of the best
growers

Consult the Advertisements on
these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
Concerns in the Wholesale Flower Trade

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MANUFACTURERS
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Western Headquarters for Choice Orchids
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CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

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FLORIST**

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The J. M. McCullough's Sons Co.

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bers of Florists' Supplies, Seeds and Bulbs.
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Telephone, Main 58.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

**WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100
TO DEALERS ONLY**

	CHICAGO April 11	TWIN CITIES April 11	PHILA. April 11	BOSTON April 13
ROSES				
Am. Beauty, Fancy and Special...	40.00 to 50.00	40.00 to 50.00	60.00 to 65.00	35.00 to 50.00
" Extra	30.00 to 40.00	30.00 to 40.00	40.00 to 50.00	20.00 to 30.00
" No. 1	30.00 to 40.00	30.00 to 40.00	25.00 to 30.00	10.00 to 15.00
" Lower grades	5.00 to 15.00	10.00 to 20.00	12.50 to 32.50	6.00 to 8.00
Bride, 'Maid, F. & S.	6.00 to 8.00	8.00 to 10.00	10.00 to 12.00	6.00 to 10.00
" Lower grades	2.00 to 4.00	6.00 to 8.00	..... to 6.00	2.00 to 3.00
Richmond, Chateauf, Fancy & Special	8.00 to 10.00	8.00 to 10.00	15.00 to 25.00	6.00 to 16.00
" Lower grades	2.00 to 5.00	6.00 to 8.00	6.00 to 10.00	2.00 to 5.00
Killarney, My Maryland, Fan. & Spl.	8.00 to 10.00	9.00 to 12.00	10.00 to 15.00	6.00 to 12.00
" Low grades	2.00 to 5.00	6.00 to 9.00	6.00 to 8.00	2.00 to 3.00
CARNATIONS, First Quality...				
" Ordinary	4.00 to 5.00	4.00 to 5.00	6.00 to 8.00	4.00 to 5.00
MISCELLANEOUS				
Cattleyas	35.00 to 50.00	60.00 to 75.00	60.00 to 65.00	30.00 to 40.00
Lilies, Longiflorum	8.00 to 10.00	12.50 to 15.00	12.00 to 15.00	8.00 to 12.00
Callas .....	..... to	10.00 to 15.00	15.00 to 17.00	8.00 to 12.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 3.00
Violets .....	.50 to 1.00	.75 to 1.25	1.25 to 1.50	.25 to 1.50
Mignonette	3.00 to 5.00	3.00 to 6.00	3.00 to 4.00	2.00 to 6.00
Lilac, per bunch .....	..... to .....	.50 to 1.25	..... to 1.00	..... to 1.00
Tulips	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	1.50 to 3.00
Freesia .....	..... to .....	..... to 1.00	..... to 3.00	1.00 to 2.00
Daffodils	2.00 to 3.00	3.00 to 3.50	3.00 to 4.00	1.00 to 2.00
Daisies	1.00 to 1.25	.75 to 1.25	1.50 to 2.50	.50 to 1.00
Snopdragon .....	..... to	8.00 to 12.50	8.00 to 12.50	3.00 to 5.00
Sweet Peas .....	.75 to 1.00	.75 to 1.50	1.00 to 1.50	.50 to .75
Gardenias	40.00 to 50.00	20.00 to 25.00	20.00 to 35.00	30.00 to 35.00
Adiantum .....	..... to 1.00	1.00 to 1.25	..... to 1.50	1.00 to 1.25
Smilax	12.00 to 15.00	15.00 to 20.00	..... to 25.00	8.00 to 12.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00	..... to 50.00
" " & Spren. (100 brchs)	25.00 to 40.00	25.00 to 35.00	50.00 to 75.00	..... to 35.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS**

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns,
Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of
Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
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BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers **ALWAYS GOOD,
CHICAGO, ILL. FRESH STOCK**

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Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers.

Roses and Carnations Our Specialty

In writing to Advertisers kindly mention Horticulture



APRIL WEDDINGS

The Two New Roses

"DOUBLE PINK KILLARNEY" and the new Irish Rose "MELODY"

are proving their genuine and extraordinary merit as cut flowers, not only from the grower's standpoint but also from the retailer's point of view. Wherever exhibited they have created a furore among the buying public.

AN EXCLUSIVE OFFER OF THE CUT FLOWERS

to the customers of the S. S. Pennock-Meehan Co. is now a possibility. If you want something extra choice for your April weddings—here is your opportunity.

PRICES:

"DOUBLE PINK KILLARNEY"	
Special	per 100, \$20.00
Fancy	15.00
First	10.00

NEW IRISH ROSE "MELODY"	
Special	per 100, \$15.00
Fancy	12.00
First	10.00

S. S. PENNOCK-MEEHAN CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Av.

Flower Market Reports

BOSTON The flower markets are loaded to the doors with flowers of all descriptions and at present writing—three days before Easter—buying is almost at a standstill. Plantsmen are hustling on all sides, the flower stores are veritable forests of pot plants—lilies, azaleas, acacias, bougainvilleas, astilbes, etc., etc.—and all interest is centered for the time being on this department. The conviction grows that every year the cut flower, as an Easter specialty, is driven farther and farther into the rear ranks. Saturday will tell the story and next week we shall give it publicity. It is not possible yet to foresee how it will come out. The only things that show any tendency to advance in price are carnations and roses and in both of these the reason for the advance is not apparent other than that it has become a habit. The quality generally is excellent on all lines.

CHICAGO Chicago market is very satisfactory as Easter draws near. There is no glut in anything and prices are not exceptionally high though few flowers are sold in job lots. Really good red and white carnations are scarce and fancy red brought five cents, but plenty of good average stock sold for much less. Each day the market has cleaned up on all good carnations. Roses have been quite plentiful and at this, the opening of the last week before Easter, there is no change. There is not a surplus, however. Lilies are selling well, much to the satisfaction of the growers whose stock came in a little

WHOLESALE FLOWER MARKETS.—^{PER 100.} TO DEALERS ONLY.

ROSES	CINCINNATI Mar. 28		DETROIT April 10		BUFFALO April 11		PITTSBURG April 11	
Am. Beauty, Fan. and Sp.	12.00	to 25.00	35.00	to 50.00	40.00	to 50.00	50.00	to 65.00
" Extra	8.00	to 10.00	25.00	to 35.00	25.00	to 30.00	30.00	to 40.00
" No. 1	4.00	to 6.00	15.00	to 25.00	10.00	to 15.00	10.00	to 20.00
" Lower grades .....	.....	to 3.00	6.00	to 12.00	4.00	to 6.00	.....	to 6.00
Bride, "Maid, F. & S.	4.00	to 6.00	8.00	to 10.00	8.00	to 12.00	10.00	to 12.00
" Low. gr.	2.00	to 3.00	4.00	to 8.00	6.00	to 8.00	6.00	to 8.00
Richmond, Chateau, Fancy & Special ..	4.00	to 6.00	8.00	to 10.00	12.00	to 15.00	12.00	to 18.00
" Lower Grades ..	2.00	to 3.00	4.00	to 7.00	5.00	to 10.00	6.00	to 10.00
Killarney, My Maryland, Fan. & Spl.	4.00	to 6.00	8.00	to 10.00	8.00	to 10.00	12.00	to 15.00
" Low. Grades ..	2.00	to 3.00	4.00	to 7.00	5.00	to 6.00	6.00	to 10.00
CARNATIONS, First Quality .....	.....	to 3.00	3.00	to 4.00	4.00	to 5.00	4.00	to 6.00
" Ordinary .....	.....	to 2.00	2.00	to 3.00	2.50	to 3.00	.....	to 3.00
MISCELLANEOUS								
Cattleyas	35.00	to 50.00	.....	to 50.00	50.00	to 60.00	40.00	to 60.00
Lilies, Longiflorum	10.00	to 12.00	.....	to 12.50	12.00	to 15.00	8.00	to 15.00
Callas	3.00	to 4.00	.....	to 12.50	10.00	to 12.00	10.00	to 15.00
Lily of the Valley .....	.35	to .50	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets .....	.....	to 10.00	.75	to 1.00	.75	to 1.25	.....	to 1.00
Mignonette .....	.....	to .50	4.00	to 10.00	.....	to 4.00	.....	to 6.00
Lilac, per bunch	2.00	to 4.00	.....	to 1.50	.....	to 1.00	1.00	to 1.25
Tulips .....	.....	to 3.00	3.00	to 4.00	2.50	to 3.00	3.00	to 4.00
Freesia .....	.....	to 3.00	.....	to 3.00	.....	to 3.00	.....	to 3.00
Daffodils .....	.....	to 2.00	.....	to 3.00	2.50	to 3.00	.....	to 3.00
Daisies .....	.....	to .50	.50	to 1.50	1.25	to 1.50	1.50	to 3.00
Snapdragon	8.00	to 12.00	4.00	to 8.00	5.00	to 6.00	4.00	to 6.00
Sweet Peas .....	.....	to .50	.75	to 1.50	.75	to 1.25	.50	to 1.25
Gardenias .....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax	12.00	to 15.00	.....	to 11.50	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100) ..	25.00	to 35.00	20.00	to 40.00	40.00	to 60.00	.....	to 60.00
" " & Spren. (100 bchs.) ..	20.00	to 25.00	20.00	to 30.00	35.00	to 50.00	30.00	to 60.00

too early. Single violets are near an end and no great quantity of double ones are expected for Easter week. Good tulips are scarce and bring a good price. Some excellent Kaiser Kroon are selling for five cents this week, and really good daffodils three cents. Southern stock is coming in rapidly and brings a low price, generally selling by the box. Fancy sweet peas with extra long stems find ready sale while short ones go rather slowly. Green moves nicely. Good smilax is scarce and few good common ferns are to be had.

Last week's business **DETROIT** conditions reminded one of the calm before the storm. The general tendency was slack and prices remained weak. The great scarcity of carnations last winter caused many a wholesale grower to rush their bulbous stock to the market and while there will be enough of these for the legitimate trade, fakirs, grocers, druggists, etc., who take a flyer in flowers around holidays will have to do without it this time.

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

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Choice Cut Flowers,
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All choice cut-flowers in season. Send
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D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

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Telephone No. 756
Madison Square New York

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55 & 57 W. 26th St., New York
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45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
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NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
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Successor to JOHN I. RAYNOR
Wholesale Commission Florist
A full line of Choice Cut Flower Stock for all purposes
by the 100, 1000 or 10,000
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Wholesale Commission Dealer in
CHOICE CUT FLOWERS
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SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
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HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF **VALLEY** ALWAYS ON HAND
CARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Apr. 8 1911		First Half of Week beginning Apr. 10 1911	
American Beauty, Fancy and Special.....	35.00	to 50.00	35.00	to 50.00
" " Extra.....	30.00	to 30.00	20.00	to 30.00
" " No. 1.....	8.00	to 15.00	8.00	to 15.00
" " Lower Grades.....	2.00	to 5.00	2.00	to 5.00
Bride, 'Hald, Extra and Special	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateau, Extra and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killarney, My Maryland, Extra and Special	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Carnations, First Quality.....	1.50	to 2.00	2.00	to 3.00
" " Ordinary.....	.50	to 1.00	1.00	to 1.50

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1664 { Madison Square
1665
CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
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136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
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Telephone 7062 Madison

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

CHARLES WEISS & SONS127 WEST 28TH ST., NEW YORK
Telephone 1202 Madison Square**Wholesale Florists**Receivers and Growers of Cut Flowers.
Consignments Solicited.**REED & KELLER**

122 West 25th St., New York

Florists' Supplies

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in

Glassware, Decorative Greens and Florists' Requisites

Flower Market Reports

(Continued from page 579)

There is very little NEW YORK thus far transpiring to indicate the approach of a flower holiday and it is plain that not until the close of the week will the cut flower demand assume any especial proportions because of Easter necessities. Conditions of overstock and sluggish demand exist all through the wholesale cut flower district and a pessimistic feeling prevails among those who are exclusively interested in the cut flower trade, while those who have any connection with the plant industry have been, and still are, worked to death. No raise in market values is possible as the situation now stands, except that lilies are held for an advance over recent quotations. As to the final outcome on lilies and everything else we shall have the facts all in for next week's report.

Business in cut PHILADELPHIA flower circles was very fair here last

week, especially Friday and Saturday. Prices did not advance very much—a trifle perhaps. The cold and stormy weather held stocks back somewhat yet there seemed to be enough for all demands. White carnations were a little scarce by Friday—and it is suspected that some of the growers are holding back. Some lots that came in late in the week had a pretty salty look. We fondly believed this ridiculous and suicidal practice was obsolete years ago; but it seems there is a new fool born every day, and a fool must act according to his folly and even bitter experience fails to teach some of them. American Beauty roses are more plentiful. Quality good. Mostly specials. White roses in excellent demand. Some magnificent White Killarney arriving. Orchids are in good shape but trading in these has not been very brisk of late for some reason. Violets are showing the effects of sunshine, and singles are almost entirely over—except limited lots from cold frames. The latter and the doubles are in good shape for Easter trade. Lily of the valley is moving a little better and is fully up to standard as to quality. There seem to have been fewer southern daffodils this year. The season did not commence until late, and they are already over; but there are still plenty of good greenhouse-grown in sight. These and sweet peas and lily of the valley help out in medium-priced spring work, and are favorite material for corsage bouquets instead of violets. Yellow

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WILLIAM F. KASTING Co.**Wholesale Florists**

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr. 8 1910		First Half of Week beginning Apr. 10 1911	
Cattleyas.....	25.00	to 40.00	25.00	to 40.00
Lilies, Longiflorum.....	5.00	to 6.00	0.00	to 12.00
" Lancifolium.....	5.00	to 6.00	5.00	to 6.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Violets.....	.15	to .30	.15	to .30
Mignonette.....	2.00	to 5.00	2.00	to 5.00
Lilac, per bunch.....	.10	to .75	.50	to .75
Tulips.....	1.00	to 3.00	1.00	to 3.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 2.00	1.00	to 2.00
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snapdragon.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas (per 100 bunches).....	2.00	to 8.00	2.00	to 8.00
Gardenias.....	15.00	to 25.00	15.00	to 25.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	6.00	to 10.00	6.00	to 10.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" & Sprm. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

daisies sell better than the white. Both are first-class stock at present. Greens of all kinds selling well, and no over-supply.

The wholesalers seem to be well supplied with cut stock of all kinds. The weather has been clear and cool and this should make them all of excellent quality. Prices too, are not so high as expected. This is Holy Week and all of our greenhouse men are busy with plants and decorations for churches. Plants are in plenty and a great sale is expected on them. Wholesale prices on lilies average about \$12.50 per 100 blooms for the best quality. Carnations will run not over \$5 per 100 for the best and \$2 to \$3 for good stock. Violets, 50 cents for Californias and about \$1.00 per 100 for Mazzuras. Sweet peas from 35 to 75 cents, lily of the valley \$3, tulips \$3, Dutch hyacinths \$3 to \$4, auratum and candidum lilies \$8. In roses the market has a big cut at present and long, fancy Beauties are coming in fine at \$6 per dozen. Other roses bring from \$5 to \$10 per 100.

PHILADELPHIA NOTES.

Arthur MacIver, for twelve years with Graham's and Habermehl's opened recently a retail store at 8th below Chestnut street. He reports business so far very gratifying and away beyond his expectations.

Visitors: H. A. Bunyard, secy. of

the National Sweet Pea Society; Parker Thayer Barnes of Suburban Life, Harrisburg, Pa.; P. Joseph Lynch, Heller Bros. Co., New Castle, Indiana; A. T. De La Mare, New York City.

Visitors at M. Rice & Co.—Miss L. Blick, Norfolk, Va.; Miss Mira Bell, Norfolk, Va.; Harry Schroyer, Lancaster, Pa.; Lou Helen Dundore, Lancaster, Pa.; A. Littman, Atlantic City, N. J.; Kemble Floral Co., Oskaloosa, Wis.; I. O. Kemble, Marshalltown, Iowa.

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ACHILLEAS

Achillea The Pearl, field-grown, \$2.00 per 100; \$18.00 per 1000. O. D. Stevens, Shenandoah, Iowa.

AGERATUMS

Ageratum Stella Gurney, strong, 2c. C. H. Jacobs, Westfield, Mass.

Ageratum. Rooted cuttings, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS

Alternanthera, 2 inch, red and yellow, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPIS

AMPELOPIS VEITCHII, 2 year, 18 to 24 inch tops, \$1.75 per dozen, \$12.00 per 100. Our new trade list of everything you need now ready, mailed on application. Write today.

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Asparagus Plumosus Nanus.
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Asparagus Sprengerii, strong, thrifty, 2½ and 3-in., 3c and 4c. Cash.
John F. Flood, Montvale, Mass.

Asparagus Sprengerii, 3-in., extra strong, \$5.00 per 100. O. B. Stevens, Shenandoah, Iowa.

Asparagus S., 4 inch, at \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ASPARAGUS SPRENGERII, 2½ inch pots, \$2.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

Begonia Erfordii, 3-in., extra strong, ready for 4 or 5-in., \$5.00 per 100. Begonia gracilis Ruby, newest and best for bedding purposes. 2½-in., \$4.00 per 100; 3-in., extra strong, \$6.00 per 100. Cash with order, please. Hope Greenhouses, 279 Mass. Ave., Providence, R. I.

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Horseshoe Brand
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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I. Spring Bulbs.
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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fliske, Rawson Co., Boston, Mass. Begonias, Gloxinias.
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53 "Best Cannas in the World." Send for price list. The Conard & Jones Co., West Grove, Pa.

Cannas, 4 inch, under name Extra Strong, \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

CANNAS, WELL STARTED.

King Humbert	\$3.00 100
America	2.00 100
J. D. Eisele	2.00 100
Chas. Henderson	1.50 100
Austria75 100
Allemania75 100
J. W. YATES, Box 110, Florist Div., Tuskegee Institute, Ala.	

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Wm. Schlatter & Son, Springfield, Mass. Superior Carnation Staple.
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Pillsburys Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

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F. Dorner & Sons Co., Lafayette, Ind. Two New Carnations.
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Chicago Carnation Co., Joliet, Ill. Carnation Washington.
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Poehlmann Bros., Morton Grove, Ill.
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New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

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CARNATIONS—Continued

Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

THE NEW HARDY EVER-BLOOMING CARNATION "CRIMSON KING."

Everybody has asked for a Carnation that would live out in the garden during the winter. We have pleasure in offering this new plant, as it will fill the bill. It is absolutely hardy, standing even the Canadian winters in the yard. It blooms all summer long; never a day that you cannot cut blossoms. By potting up in the fall you can have flowers in the house all winter. The color is a rich crimson, the fragrance is delicious. We know of no plant that the florists can offer to their patrons that will give as much satisfaction as the Hardy Carnation Crimson King. Per dozen, \$1.25; per 100, \$8.00; per 1000, \$75.00. Twenty-five plants sold at hundred rates; 250 plants at thousand rates.

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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums; rooted cuttings, Robert Halliday, Golden Glow, Ivory, Minnie Bailey, J. Jones, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

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Godfrey Aschmann, Philadelphia, Pa.
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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

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Clematis paniculata, strong 3-year, \$1.00 per 100, \$7.50 per 1000, \$70.00 per 1000; 2-year, C. paniculata, 75c. per 10, \$5.00 per 100.

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CLEMATIS PANICULATA GRANDIFLORA, strong, one-year field grown, \$6.50 per 100, \$60.00 per 1000.

Our new trade list of everything you need now ready. Mailed on application. Write today.

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Cobaeas, 4 inch, at \$10.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

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Coleus rooted cuttings, trailing, for vase and basket, 60c prepaid.
J. F. Sked, Florist, Westerville, O.

Coleus, yellow, red and variegated, 2-in., heavy, \$2.00 per 100.
Wagner Park Conservatories, Sidney, Ohio.

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Eastern Nurseries, Jamaica Plain, Mass.
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Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.
Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

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Dahlia Bulbs for retail trade, \$3 per 100, \$25 per 1000. Each bulb labeled with name, variety and color; 100 lots will contain 5 each of 20 varieties, including Cactus, Show, Decorative, etc.

C. Peirce, Dighton, Mass.

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Giant double Daisies, mixed, \$2.50 per 1000; 100 prepaid, 40c. Chas. Frost, Kenilworth, N. J.

Marguerites, white. Nice 2½-in. stock, ready for 4-in., \$3.00 per 100.
Wm. Eschrich Co., North Milwaukee, Wis.

Daisies, Marguerites, 4 and 4½-in., nicely budded, \$10.00 per 100. Cash.
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Shasta daisies, 2½-in., extra strong, cool-grown, \$3.00 per 100; \$25.00 per 1000. O. B. Stevens, Shenandoah, Iowa.

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John Scott, Brooklyn, N. Y.
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DRAACAENAS

Dracaena indivisa, 4 in., \$8.00; 5 in., \$18.00 and \$20.00; 6 in., \$25.00 and \$30.00 per 100. C. H. Jacobs, Westfield, Mass.

EASTER PLANTS

Godfrey Aschmann, Philadelphia, Pa.
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Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

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T. C. Thurlow's Sons, West Newbury, Mass.
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Frank Oeschlin, 4911 Quincy Street, Chicago.

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Thomas Roland, Nahant, Mass.
Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock, Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash.
A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

Fine stock from 2½ inch pots, ready now. NEPHROLEPIS ROOSEVELT (the Fountain Fern).

(New). See display advertisement in the April 8 issue of HORTICULTURE. The grandest of all ferns. We book your order now for June 1st delivery. \$3.50 per dozen, \$25.00 per hundred, \$200.00 per thousand.

NEPHROLEPIS BOSTONIENSIS (the Boston Fern), \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS DAVALLOIDES FURCANS (the Fish Tail Fern), \$4.00 per 100. NEPHROLEPIS GOODII (the Baby's Breath Fern), an improved Amerpohlii. \$1.00 per dozen, \$7.00 per hundred.

NEPHROLEPIS SCOTTII (the Newport Fern), \$4.00 per hundred.

NEPHROLEPIS SPRINGFIELDII (the Springfield Fern), upright fern for vases. \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS SUPERBISSIMA (the Fluffy Ruffles Fern) (New), \$1.00 per dozen, \$6.00 per hundred.

NEPHROLEPIS WHITMANII (the Ostrich Plume Fern), \$3.50 per 100.

NEPHROLEPIS HARRISII (the Harris Fern), a sport from Boston of stiff, upright growing habit, \$4.00 per 100, \$35.00 per 1000.

For larger size ferns write for prices. Our new trade list of everything you need now ready. Mailed on application. Write today.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

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Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

E. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Red Wing, the best 1910 novelty, deep cardinal red. Rooted cuttings, 75c. per doz., prepaid. Chas. Frost, Kenilworth, N. J.

Geraniums. Mme. Sallerol, 2 1/4-in., strong cool grown plants, \$2.00 per 100; special price on 1000.

J. L. Stone, Trumansburg, N. Y.

Mme. Sallerol geraniums, 2 1/2-in., heavy plants, \$3.00 per 100.

Wagner Park Conservatories, Sidney, Ohio.

Silver Leaf Geranium—Mme. Sallerol, strong stock, 2 inch pots, ready for immediate shift, \$2.00 per hundred; thousand lots, \$18. Cash, please. Round Lake Greenhouses, East Lenox, Penna.

GLADIOLI

Gladiolus Bulbs. Groff's Hybrids, white and light, pink and shades of pink; 1st size, \$7 per 1000; 2nd size, \$4 per 1000. Blue heliotrope and lavender mixture, \$10 per 1000, 1st prize; 250 at 1000 rates.

C. Peirce, Dighton, Mass.

Send for our list of choice gladioli and dahlias. Cushman Gladiolus Co., Sylvania, O.

GLASS

Boston Plate & Window Glass Co., Boston
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Standarn Plate Glass Co., 26-30 Sudbury St., Boston.
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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GREENHOUSE BUILDING MATERIAL

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Peerless Glazing Point.
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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

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Lord & Burnham, 1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., North Tonawanda, N. Y.

King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
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The Kervan Co., New York.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co., 1133 Broadway, New York.
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HELIOTROPES.

Heliotrope, dark blue, 2 1/4 in., \$2.00 per 100; 3 1/4 in., \$6.00. Very bushy rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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James Backhouse & Son, Ltd., York, England.
Alpine and Herbaceous Plants.

HOLLYHOCKS

George F. Kimbel, Flourtown, Pa.
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Hollyhocks. Double field grown, large blooming size. Separate colors: Red, white, pink, yellow, maroon, bronze and black; also Allegheny strain in mixed colors. All at \$3.00 per 100; \$25.00 per 1000. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEA

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA (Hills of Snow) (New), 2-year-old field grown, 3 to 5 canes, \$2.00 per dozen, \$12.00 per hundred.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

INSECTICIDES.

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.

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Stump & Walter Co., New York.
Killed Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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E. H. Hunt, Chicago, Ill.

To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

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GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IVIES

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

English Ivies, 2 1/4 inch in pots, \$1.00 per 100; well rooted cuttings, \$1.00 per 100; \$9.00 per 1000. Home Nursery, Norwood, R. I.

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JAPAN MAPLE

Japan Maple in leaf, 6 inch, \$1.00 each.
The Geo. Wittbold Co., Edgebrook,
Chicago, Ill.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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**LANDSCAPE GARDENING
COURSE**

Home Correspondence School, Springfield,
Mass., Dept. 8.
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LILIES

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**LILIUM MULTIFLORUM AND
GIGANTEUM**

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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**LILY OF THE VALLEY
CLUMPS**

Wm. Elliott & Sons, New York.
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Lily of the Valley Clumps, \$6.00 per 100.
Julius Roehrs Co., Rutherford, N. J.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MOON VINES

IPOMEA MAXIMA, the giant flowering,
flowers twice the size of the old variety.
Order now as there are never enough
moonvines to go around. 2 1/4 inch pots,
\$4.00 per 100; the old variety, \$3.50 per 100.
Our new trade list of everything you
need now ready. Mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

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Bay State Nurseries, North Abington,
Mass.

Hardy, Northern Grower Stock.
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Eastern Nurseries, Jamaica Plain, Mass.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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Harrison's Nurseries, Berlin, Md.

125,000 Shrubs. Send for price list. The
Conard & Jones Co., West Grove, Pa.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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S. D. Woodruff & Sons, New York, N. Y.
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Yellow onion sets, small, sound and
bright, only 85c. per bu., bags free. Mc-
Adams Seed Co., Columbus Grove, Ohio.

Choice, sound, unsprouted onion sets.
Yellow, \$1.20; red, \$1.25; white, \$1.60 per
32 lb. bushel. Sacks included. Sluis Seed
Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordones Bros., Madison, N. J., Box 105.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John Schoemer, New York, N. Y.
Bargains in Orchids.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Eath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PALES

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25,
post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies,
\$3.50 per 1000; 100 prepaid, 50c. Chas.
Frost, Kenilworth, N. J.

Giant pansies, strong, bushy, cool-grown,
transplanted, \$1.00 per 100; \$8.00 per 1000.
O. B. Stevens, Shenandoah, Iowa.

Pansy plants, Coburn's strain, finest
mixed, from cold frame, 60c per 100, post-
paid. Cash.

Fred E. Hollard, Highland, Ill.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2 1/2 in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

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PELARGONIUMS

Pelargoniums. Surplus stock, large and
fine, ready for shift; Mrs. Loyal, \$4.00 per
100; Surprise, Mad. Vibert, Linda, \$5.00
per 100. A. D. Root, Wooster, Ohio.

PEONIES

PEONIES—1200 sorts, an enormous stock.
List ready. C. Betscher, Canal Dover, O.

Write for our special price list on
peonies. We have all the good ones. Our
new trade list of everything you need now
ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PETUNIAS

Petunias (Dreer's), mixed, 2 1/4 in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
E. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PHLOX

Surplus stock. Phlox, all colors mixed,
cheap. Also gladiolus bulbs. Write for
prices.

E. T. Flanagan & Sons, Belleville, Ill.

We offer one hundred thousand hardy
phlox in 10 leading varieties, all colors,
field grown plants, \$3.00 per hundred,
\$27.50 per thousand. Our new trade list of
everything you need now ready. Mailed
on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PLANT STAKES

Seale's Tieless Plant Stakes and Trell-
ises. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

PIPE AND FITTINGS

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Metropolitan Material Co., Brooklyn, N. Y.
PIPE AND FITTINGS. Cast iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2 1/4 in.,
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PRIVET

Emil Wohlert, Narberth, Pa.
California Privet.

50,000 2-year California privet, cut back
once and well branched, 1 to 2 ft., \$12.00
per 1000; 2 to 3 ft., \$15.00 per 1000.
Chas. L. Smith, Pennsgrove, N. J.

200,000 California Privet, fine 2-year-old
stock, No. 1, 18 to 24 in., \$13.00 per 1000;
24 to 30 in., \$18.00 per 1000; 2 1/2 to 3 ft.,
\$22.00 per 1000; 3 1/2 to 4 ft., 3-year-old,
\$30.00 per 1000. 100 rates, \$1.75, \$2.25, \$2.75,
\$4.00, up to 250. Clematis Punctata XXX,
fine 2-year-old vines, \$9.00 per 100. Ampelopsis
veitchii, extra fine 2-year-old vines,
2 1/2 to 4 ft., \$9.00 per 100, and fine
1-year-old vines, 2 to 3 ft., \$4.00 per 100.
All field grown and packed free for cash.
Benjamin Connell, Florist, Merchantville,
N. J.

In writing to Advertisers kindly mention Horticulture

PRIVET—Continued

California privet, 3 to 5 branches, 12 to 18 in., \$7.00 per 1000; 18 to 24 in., \$9.00 per 1000; 2 to 3 ft., \$12.00 per 1000. 5 to 8 branches, 18 to 24 in., \$12.00 per 1000; 2 to 2½ ft., \$15.00 per 1000; 2½ to 3 ft., \$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000; 8 to 12 in., for lining out, \$4.00 per 1000. F. O. B. Cash with order. 250 at 1000 rate. Southside Nurseries, Chester, Va.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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Bassett & Washburn, Chicago, Ill.
Grafted Rose Plants.
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Wm. Tricker, Arlington, N. J.
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50,000 Roses, assorted. Send for price list. The Conard & Jones Co., West Grove, Pa.

Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIA

Salvias, 2 inch, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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SEED GROWERS

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S. D. Woodruff & Sons, New York, N. Y.
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SEEDS

ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.

PETER MACK, ORLANDO, FLA.

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All Leading Varieties of Seeds.
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C. H. Gardiner, South Pasadena, Calif.
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SPIREA

Brant Bros., Utica, N. Y.

Spiraea Gladstone in bud; nice plants, \$4.00 per dozen; Easter prices, in bloom \$6.00 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Horrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

STRAWBERRY PLANTS

Strawberry Plants—35 varieties, \$2.50 per 1000. H. H. Benning, Clyde, N. Y.

Wilfrid Wheeler, Concord, Mass.

TANDEM GARDEN CULTIVATOR

The Schaible Mfg. Co., Elyria, O.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Asparagus Conover's and Mammoth White at 75c per 100, \$5.00 per 1000.
Wagner Park Conservatories, Sidney, Ohio.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.

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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1123 Broadway, N. Y.

VINCAS

Vinca variegata rooted cuttings, \$1.00 per 100; \$8.00 per 1000. Orders booked for delivery at any time. Russell Bros., R. R. 4, Syracuse, N. Y.

Vinca variegata rooted cuttings, 75c per 100, prepaid. Chas. Frost, Kenilworth, N. J.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gilmet, Moylan, Del. Co., Pa.

WIREWORK

Reed & Keiser, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

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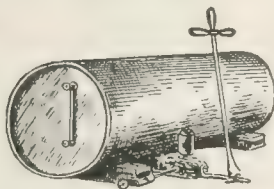
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Leading Florists Everywhere Are using our equipments Why?

Because we guarantee our goods. If not as we represent them—
Money Back.

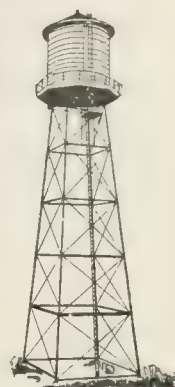


Simplex Air Pressure System

Aside from good soil, what is it a Florist needs most?

WATER

and wants it handy when he wants it. By our methods he can have it.



We build our reputation into our "Pedigree" Tanks.

WATER WORKS SUPPLIES—ALL KINDS

THE BALTIMORE Co.
COOPERAGE

MAKERS OF TOWERS, TANKS, WINDMILLS, SILOS.

Get our prices.

Send for catalogue. **11 South Howard Street, BALTIMORE, MD.**

Get in line. This adv. will not appear again.

WHOLESALE FLORISTS—

New York—Continued

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New Offers in This Issue.

ASPARAGUS PLUMOSUS NANUS SEEDS.

J. M. Thorburn & Co., New York, N. Y.
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BROAD LEAVED EVERGREENS.

Eastern Nurseries, Jamaica Plain, Mass.
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GLADIOLUS KUNDERDI "GLORY."

Henry F. Michell Co., Philadelphia, Pa.
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ROSES "DOUBLE PINK KILLARNEY" AND "MELODY."

S. S. Pennock-Meehan Co., Philadelphia, Pa.
For page see List of Advertisers.

WATER WORKS SUPPLIES.

The Baltimore Cooperage Co., Baltimore, Md.
For page see List of Advertisers.

Medina, N. Y.—White Bros. will erect a greenhouse establishment on property recently purchased here, to be run in conjunction with their plant at Heartland.

CATALOGUES RECEIVED.

David Nursery & Seed Co., Utica, N. Y.—"Bountiful and Beautiful" New Annual for 1911.

Wm. H. Moon Co., Morrisville, Pa.—Hardy Trees and Plants for Every Place and Purpose. Handsomely illustrated.

I. N. Kramer & Son, Cedar Rapids, Ia.—General Spring Catalogue of Flowers and Vegetable Seeds, Florists' Plants, etc.

David Herbert & Son, Atco, N. J.—Dahlias. A comprehensive list of the varieties offered by this well-known dahlia house. A list of gladioli and cannas is also included.

Kramer Bros. Foundry Co., Dayton, Ohio.—Catalogue of Iron Vases, Settees, Chairs, Window Boxes, etc. Very elaborate in make-up and illustration. Shows some elegant designs.

T. C. Thurlow's Sons, Inc., West Newbury, Mass.—A most attractive publication, in which much choice material is listed. *Kalmia latifolia* makes a lovely cover-page illustration.

W. W. Barnard Company, Chicago, Ill.—Market Gardeners' Price List of High Grade Vegetable Seeds and Gardening Tools. A business getter from cover to cover. Also General Catalogue for 1911. Covers in colors; subjects, vegetables and *Lilium auratum*.

L. Duehnfeldt, Odense, Denmark—Specialties for America. Second edition 1911 wholesale prices for the trade only. Cauliflower, cabbage, tomato, cucumber, cineraria, cyclamen, aster, pansy and root seeds are the specialties. The catalogue is richly illustrated.

Bobbink & Atkins, Rutherford, N. J.—General Catalogue for Spring, 1911. A splendid publication on heavy paper finely illustrated. Trees, shrubbery, hardy and tender plants, rustic work and plant tubs are fully described and priced. A wistaria bower and a rhododendron group in dark green ink form the cover illustrations.

New England Nurseries, Inc., Bedford, Mass.—New England Trees and Plants, Fifth Edition, Spring, 1911. Like its predecessors, this is a hand-

some catalogue, with well-selected lists and should fill its place as an incentive and inspiration to the planting of the best grades and varieties of hardy garden plants, shrubs and trees.

James Vick's Sons, Rochester, N. Y.—Vick's Garden and Floral Guide for 1911. This well known and ever-welcome visitor comes this year dressed in ivory white with richly colored pansies embossed thereon. "Vick's Masterpiece Mixture" is the name by which these pansies are known and the title is not misapplied, judging from the pictures.

Julius Roehrs Co., Rutherford, N. J.—General Catalogue for 1911. A high-class production, typographically and in contents. The illustrations are original and beautiful. Stove and greenhouse plants, bays, conifers and hardy herbaceous plants are included. Also Orchid Catalogue, equally elegant as to illustrations and descriptive notes. Many rare varieties are figured.

NEWS NOTES.

Klamath Falls, Ore.—E. G. Ehle intends to establish a nursery on five acres of land he has recently purchased here.

Pasadena, Cal.—Property on Lake avenue has been purchased by the Altadena Nursery and they will move to the new location.

Brookside, Pa.—Fred Frank of Philadelphia has purchased the Brookside Greenhouses formerly conducted by Irwin H. Anderson.

Salem, Ohio.—The Fawcett Greenhouses formerly conducted by Lemuel Fawcett have been leased by Arthur Scraggs who intends to make immediate repairs.

Exeter, N. H.—George H. McAlpine, who is building a rose house here as reported in the Jan. 7th issue of HORTICULTURE, will make a specialty of White Killarney and Richmond for the Boston market. He was formerly employed by W. H. Elliott of Madbury, N. H.

Perhaps you want Dahlias. See Buyers' Directory, page 583, this issue. The best growers and best stocks are there represented.

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NEWS NOTES.

Warren, Ohio.—The Maple Shade Gladoli Nursery, Wilbur A. Christy, proprietor, has been moved here from Kinsman.

Waco, Tex.—The Rush Park Wholesale Seed Co. of Independence, Iowa, has opened a branch in the Mailander Bldg., South Fifth street. M. D. Webster is manager.

New London, Conn.—The entire stock and fixtures of S. J. Reuter & Son have been moved from State and Main streets to Frank Smith's market, which they recently leased, where a splendid new store is being arranged.

Kenton, Ohio.—William Sabransky, for 17 years proprietor of the Kenton Floral Nursery, retired from business on April 6th, being succeeded by his son John Sabransky. William Sabransky is 69 years of age and started in the business at the age of 14 in New York City. He engaged in the floral business at Richmond, Va., and at Springfield before going to Kenton. The name of the business is to be changed from the Kenton Floral Nursery to John Sabransky, the Florist.

William Rehm, who was raised in the flower business by his uncle, the late R. Maitre, of New Orleans, has recently taken a position as representative of L. Daehnfeldt, Odense, Denmark, and is now making a trip among the seedsmen of Canada and the New England States. Carlos Jensen, manager of the export department of this house was a visitor at the National Flower Show in Boston.

Make the Farm Pay



Prof. Brooks

Complete Home Study Courses in Agriculture, Horticulture, Floriculture, Landscape Gardening, Forestry, Poultry Culture and Veterinary Science under Prof. Brooks of the Mass. Agricultural College, Prof. Craig of Cornell University and other eminent teachers. Over one hundred Home Study Courses under able professors in leading colleges.

250 page catalog free. Write to-day

THE HOME CORRESPONDENCE SCHOOL

Dept. H. A. Springfield, Mass.

FOR SALE

FOR SALE Steel galvanized-iron Wind-Mill Tower, 75 ft. high; tank capacity, 5000 gallons. Also a 2½ h. p. Mertz & Weiss kerosene engine. Everything in perfect condition. Address Beau, Larchmont, N. Y.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write **PARSHELSKY BROTHERS, INC., 60 Montrose Ave., Brooklyn, N. Y.**

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Ham-filton Place, Boston.

HELP WANTED

HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. **National Labor Exchange, 918 Walnut St., Phila., Pa.** **HENRY C. PRICE**

WANTED

Outside foreman; a young man accustomed to managing a large force of men in nursery. State salary expected, and qualifications. M., care HORTICULTURE PUB. CO.

WANTED—A gardener that understands planting and care of outdoor flowering crops and shrubbery. All outdoor work. One willing to work. With board. Single man preferred. Address E. C. Ludwig Floral Co., 710 E. Diamond St., N. S. Pittsburgh, Pa.

MAN with some experience in landscape or ornamental gardening; able to sell goods. Excellent opportunities to advance. "P. D." care HORTICULTURE.

HELP WANTED—An experienced plant grower to work under foreman; send references and wages expected to Thomas Roland, Nahant, Mass.

WANTED—Man with general knowledge of ornamental nursery stock, landscape planting, etc. Address N. D. Pierce, Norwood, R. I.

WANTED—Two first-class greenhouse men. State qualifications and salary expected. W. M. W., care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED—By florist and gardener on private or commercial place, age 23, German, single, 6 years' practical experience in roses, carnations, mums, pot plants, flower garden, fruits and vegetables. Good references. Edward E. Henderson, 56 Tappan Street, Melrose, Mass.

SITUATION WANTED by a single, middle aged man as gardener and florist; good propagator and planter. Long experience in the business. Massachusetts preferred. Can furnish references. X. T., care HORTICULTURE

BUSINESS CHANCES

A GOLDEN OPPORTUNITY

A good practical grower of greenhouse and outdoor crops can take over at a nominal rental a greenhouse plant of about 16,000 square feet of glass; a fine heating-plant with 100 tons of coal in the cellar; houses well stocked with Carnations, Sweet-peas, Freesias, Farsley, Asparagus Plumosus and Sprengerii. A good cottage is a part of the plant, with from 10 to 20 acres of the very best land. Fine location. Markets for crops already established. Plant has been conducted as a semi-commercial establishment; owner now wishes to be relieved of all responsibilities. For further particulars apply to JOHN T. WITHERS, 1 Montgomery St., Jersey City, N. J.

FOR SALE

FOR SALE—Greenhouse must be sold at sacrifice. 20,000 feet glass, steam heat, over an acre of ground. Town and suburbs of 35,000. Within easy shipping distance of Pittsburgh, Cleveland and Buffalo wholesale markets. This is a great opportunity, but requires quick action. D. W., care HORTICULTURE.

A VISIT TO PROF. HARSHBARGER, TOPEKA, KANS.

Several months ago I wrote you of what this gentleman was doing with roses. He has ransacked Europe and America. He had English, German and French books piled on his desk. His aim was to hunt out and classify the different families and if possible secure their parentage. Probably no man in America has the subject so well in hand. He has now growing 210 varieties and he is ready for business. He proposes to make crosses so that he can give the pedigree of both parents. He begins work next summer.

Prof. W. A. Harshbarger is professor of mathematics in Washburn College where he has been a good many years. He was born in West Virginia near the close of the war, and was brought up in extreme poverty in that country, desolated by the contending armies. His struggles and successes border on the heroic. He is a man of tremendous enthusiasm. He balances cold mathematics with the warm breath of roses. He takes his vacations largely in his garden.

C. S. HARRISON.

SOME NEW PLANTS FROM CUBA.

Prof. J. F. Cowell, of the Buffalo Botanic Garden, who has just returned from a two months' collecting tour in Cuba, states that he thinks he has discovered four new palm species. He sent up fourteen species alive which included four Coponessias which have never been in cultivation. Hitherto, twenty-seven species of palms have been credited to the island.

He found a Microcycas—the rarest cycad in North America if not in the world—one specimen 20 ft. high having 120 leaves in the new crown. It is found in the arid regions of Cuba, often on cliffs difficult of access. Another prize was a Broughtonia, a large flowered one, color, clear bright rose—probably a new species. Still another find was a Colpothrynx, presumably new.

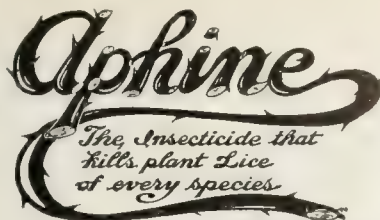
NEWS NOTES.

West Washtucna, Wash.—J. G. Crosby of Kennewick has purchased ten acres of land in the Washtucna Valley where he intends to start a nursery.

Fergus Falls, Minn.—S. N. Mehlin has purchased four acres of land on Lincoln avenue west, where he intends to build a greenhouse, cold frames, etc., during the coming summer.

Macomb, Ill.—W. N. Bonham, a brother of F. E. Bonham, proprietor of the local greenhouses, will purchase an interest in the business after the first of June. Additions to the greenhouses are being planned.

Toronto, Ont., Can.—A stock company to be known as the A. E. Moore Floral Co., Ltd., has been formed here and has purchased the property of the Georgetown Floral Co., intending to take possession May 1st. They intend to immediately commence building and extending the plant. The McIntyre and Trimbee greenhouse property on Marjory street has also been purchased. This company will be a close corporation consisting of A. E. Moore, Samuel Kirke, James Trimbee and Donald McIntyre.



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale and all soft bodied insects, without the slightest injury to the tenderest flower or foliage.

An excellent cleanser for decorative stock. You can rely on it for positive results, without fear of failure or dissatisfaction. \$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material, particularly adapted for the greenhouse.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN

Send for name of nearest selling agent.

Our products are not alone endorsed, but are continuously used by leading Commercial Growers, Professional Gardeners, Park Departments and State Colleges of the country.

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MADISON, N. J.

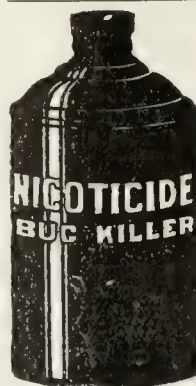
Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON



The Best Bug Killer and Bloom Saver

For PROOF
Write to

P. R. Palathorpe Co.
OWENSBORO, KY.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

*green flies and
black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee

THE H. A. STODOLFF CO. MOUNT VERNON, N. Y.

HEARTLEY'S MOLE TRAP

(Pat. July 9, 1901)



PROTECT your LAWN
and PLANTS by using
**HEARTLEY'S HOLD-
FAST MOLE TRAP.**
"It Excels Them All!"
A trial order will convince
you. Write for Prices.
GEO. W. HEARTLEY
902 Summit St.,
TOLEDO, - - OHIO.

PATENTS GRANTED.

- 988,309. Plant Bed Burner. Charles T. Campbell, Woodville, Ky.
- 988,405. Weed Puller. Benjamin Franklin Sweeney, Neosho, Mo.
- 988,539. Garden Seed Planter. Joseph Balint, New Brunswick, N. J.
- 988,805. Sod and Potato Vine Cutter. Robert Lee Nowell, Headland, Ala.
- 988,818. Garden and Road Roller. Arthur Samuel Francis Robinson, Beccles, England.
- 988,898. Plant Support. Henry D. Robinson, Richmond, Ind.

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs., \$1.00 100 lbs., \$ 8.00 1000 lbs., \$27.00
50 lbs., 1.75 500 lbs., 14.00 2000 lbs., \$25.50

Stump & Walter Co. 50 Barclay St., New York. f

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

In ordering goods please add "I saw
it in HORTICULTURE."

FOR "POT LUCK" TRY US...

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOGUE AND DISCOUNTS

Pearson Street,
LONG ISLAND CITY, N. Y.

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.

ADDITION TO KING CONSTRUCTION COMPANY FORCES.

It is announced that E. P. Lovejoy has resigned from the Lord & Burnham Company, and become associated with King Construction Company at North Tonawanda, becoming vice-president of that concern. The King Construction Company has, in the last year, enlarged its field of operation to include the building of all descriptions of ornamental conservatories and palm houses for private estates, florists' show rooms, parks, etc., many orders for this class of work having already been executed. To satisfactorily handle this department a new factory building has just been completed on the premises at North Tonawanda and special modern equipment installed. The acquisition of Mr. Lovejoy, who in addition to assuming the duties of vice-president, will become superintendent of the plant at North Tonawanda, will be of material benefit to this new department.

Mr. Lovejoy during his long residence at Irvington, was held in high regard by his many acquaintances and was the recipient of many tokens of esteem by fellow employees on the occasion of his leaving Irvington for North Tonawanda.

GREENHOUSES BUILDING OR CONTEMPLATED.

Attica, Ind.—W. S. Kircher, two houses.

Niles, Mich.—David Wolf, house 22 x 70 feet.

Bellevue, Ohio.—R. C. Arlin, house 24x125 feet.

Bismarck, N. D.—Hoskins Floral Co., one house.

Raleigh, N. C.—C. A. Lyle & Co., range of houses.

Chicago, Ill.—Weiland & Risch, range of houses.

Wenatchee, Wash.—Milot-Mills Co., house 10 x 160 feet.

La Grange, Ill.—Mayer & Wagner, house 25 x 125 feet.

Monroe, Mich.—Greening Bros., block of plant houses.

Toronto, Ont., Can.—A. E. Moore Floral Co., Ltd., addition.

Toronto, Ont., Can.—Miller & Sons, three houses, each 20 x 300 feet.

Mitchell, S. D.—Mitchell Greenhouses and Nurseries, house 14 x 120 feet.

Greensboro, N. C.—J. Van Lindley Nursery Co., carnation house, 42½ x 300 feet.

Batavia, Ill.—Batavia Greenhouse Co., three houses, each 27 x 275 feet; one house 27 x 100 feet.

Macomb, Ill.—F. E. Bonham, chrysanthemum house 50 x 100 feet; additions to his two carnation houses; bedding plant house 10 x 30 feet.

Livingston, Tex.—A nursery will be started on a large tract of land near here by H. E. Stockwell and T. J. Horner.

FIRE RECORD.

Peru, Neb.—Fire recently destroyed a barn belonging to the Peru Fruit Farm Co. J. R. Duncan lost considerable stock in this fire.

Philadelphia, Pa.—One greenhouse was slightly damaged and the carpenter shop entirely destroyed at the plant of Robert Craig Co., loss about \$1500.

Waynesboro, Pa.—Fire destroyed the greenhouses of Charles Happel with all their contents recently. Loss is estimated at about \$2,000; the houses will be rebuilt at once.

Benton Harbor, Mich.—Twin City Celery Co. suffered a heavy loss from fire recently when their greenhouse containing vegetable plants was destroyed. Practically the entire crop of plants was killed.

Lancaster, Ohio.—Fire on March 30th destroyed five greenhouses and other buildings owned by M. M. Miesse near this city. The greenhouses were stocked with early tomatoes and lettuce plants and the loss will run into thousands of dollars.

Joplin, Mo.—The property and nursery business of Charles A. Davidson has been purchased by F. E. Millner.

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Packed in small crates, easy to handle.

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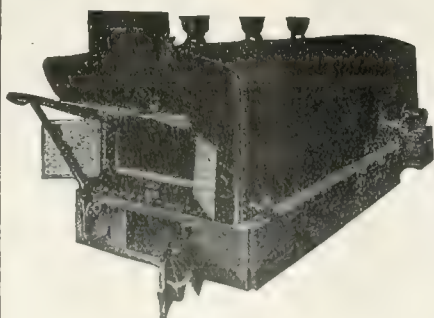
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HORTICULTURE

LIMAR
NEW YORK
BOTANICAL
GARDEN

Vol. XIII.

APRIL 22, 1911

No. 16



FIRST PRIZE HYACINTH AND TULIP GROUP
At Haarlem Jubilee Exhibition, 1910.

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Seasonable Notes on Culture of Florists' Stock

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In our growing cities and towns there is an increasing and continuous demand for evergreens in pots or tubs for inside and outside decorations. The Sweet Bay—or properly *Laurus nobilis*—is preeminently ahead of all other evergreens for this purpose, but all such plants as boxes, laurels, aucubas, hollies, and many other evergreens are also used. All these plants that have been kept in a rather dark shed or house should be placed outdoors now without delay, for if left too long inside they scorch badly when placed in strong sunlight. Give a top-dressing of loam and cow manure in equal quantities, with a liberal sprinkling of fine bone. Remove as much of the old surface soil as possible and replace with this mixture. Just before the new growth starts they should have some judicious pruning and trimming, to overcome any imperfections. Keep them freely syringed and give them occasional liquid feeding.

GLOXINIAS

Tubers that were started early will now be coming into flower. They should be given a light shade and so situated that they will get a requisite amount of air without cold draughts striking them. Plants that are coming into bloom should have a temperature of 60 degrees at night with a rise of 10 degrees during the day, but when the flowers are well opened they can be placed in a house where the temperature is 10 degrees cooler. This will make the foliage firmer and the flowers will have a greater amount of durability. Be very careful not to wet the foliage any more than is absolutely necessary when watering, as they soon get scorched. Tubers that have been kept back but are now starting up naturally should be potted up, using a mixture of two parts leaf mold and one part fibrous loam and enough sand to keep the whole open. Those seedlings that were started in January should be of good size now for potting into 3-inch pots. Use a soil similar to the foregoing. Shift as they may need it and treat them throughout the season with shade, but give plenty of light and moisture.

LILIES FOR DECORATION DAY

To have these lilies about right for Memorial Day you should be able to see the flower buds distinctly a full month before that date. You should be able to judge now whether your plants are sufficiently early or not. If the buds are not showing by this time I should say give them more heat—say from 8 to 10 degrees more. In order to have them right with the most of us, it is more a matter of holding them back rather than forcing. Those who have their lilies in a house by themselves are better able to control the temperature by the way of firing than those who only grow a few hundred with other plants. Lilies that are very far advanced and open two weeks before the required date can be kept in very fair shape if they are placed in some cool shade or cellar, or, where this is not at hand a deep frame that is shaded will do. See that the plants are kept nicely staked or they will swing about with the

syringing and frequently break off from the bulb. It is important now not to overlook fumigating or spraying with a solution of nicotine. It is always well to use these weekly as a preventive. From now on soil in the pots will be one mass of hungry roots, so it will be essential to give them a constant supply of water and occasional liquid manure.

ODONTOGLOSSUMS

Now that the hot weather will soon be with us the culture of the orchid becomes very difficult. Giving conditions such as prevail in their native habitation where a maximum of 65 degrees is very rarely exceeded, cultivators are now having much better success than a decade ago for they have broken away from the old way of keeping them in a north house from start to finish. Some of the best growers now give them a sunny house from the middle of October until now, which helps to harden up the foliage and leaves them in a condition



ODONTOGLOSSUMS, MILTONIAS AND ODONTODAS
In Stuart Low & Co.'s Orchid Houses.

better to stand our hot summer. They should be moved before the arrival of warm nights to a house of northern exposure that has elevated rolling shades about 20 inches above the glass, as this admits an abundance of air, which helps to keep the house cooler. Now that the flowering season is nearly over with odontoglossums any that need resurfacing or potting should have attention. Use some sphagnum moss and chopped fern fibre for the compost. Give them a judicious syringing overhead once a day and always allow a free ventilation, as this is very essential at all times with these orchids. The crispum section require quite a supply of water at the roots during all seasons, but the grande section do not need so much water at the roots, but should be allowed to dry out frequently.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Campanulas for next Easter; Pompon Chrysanthemums; Azaleas; Compost; Hydrangeas; Ferns; Polusettias; Smilax.

HORTICULTURE

VOL. XIII

APRIL 22, 1911

NO. 16

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Arrangement and adaptability

Our cover illustration shows the first prize group of hyacinths and tulips at the Jubilee Horticultural Exhibition in Haarlem last year.

Two gold medals, two silver medals and one special of honor for the manner of staging the exhibit, were won by this display. One of our reasons for presenting the picture now is the fact that the question of arrangement and adaptability of certain things for use together is fast coming to the front in connection with our flower shows in this country and if there is anything to be learned from our older and presumably more experienced friends across the sea we should not hesitate to avail ourselves of any favorable opportunity for so learning. Now, we are told that the manner of staging the exhibit in question won for it especial honor in

Haarlem, but we must say that we fail to see why. If this picture shows the best our European artists can do we fear there is little that we can learn from them. Are kentias for a background and small ferns for foreground and filling appropriate or artistic accessories to a hyacinth and tulip display? Are high tables, such as are shown in the picture, to be commended for the purpose? We should like to have the views of some of our readers on the foregoing points.

Hyacinths barred!

The Boston Journal of the 16th inst. states that City Forester D. Henry Sullivan has barred the sweet-blooming hyacinths from his Public Garden decorations this year because they contain a poison injurious to the face and hands. While it is a well-known fact that the dry outer scales of hyacinth bulbs are irritating to some individuals in handling them, we have never heard of any instance of poisoning or irritation arising from contact with the growing plant or flower. The growers in Holland are careful to remove decayed hyacinth foliage from their fields, but this we understand is to prevent the lodgement of bacteria in the ground, which might attack a future crop of hyacinths rather than from any danger of poisoning the ground against any other crop, which Mr. Sullivan suggests may happen. The exquisite colors and delicious fragrance of hyacinths are not equalled in any other Spring flowers. The displays of them in the Boston Public Garden have been noted for their excellence, and it seems a great pity that they should be discontinued, unless there is convincing evidence that there is danger in their use, which our personal experience does not confirm.

Holiday famines no more

Results show that our forecast of conditions in the lily market last week was well-founded and that, in denouncing the newspaper "famine" stories as bugaboos, we spoke the truth. We were glad to see that there were, here and there, sensible representatives of the florists' trade who did what they could to counteract the mischievous stuff emanating from ill-advised trade sources and to assure the public that there would be flowers in abundance for all and at reasonable prices. President George B. Hart of the Rochester Florists' Association, for instance, came out with a statement in the "Post Express" to the effect that Easter lilies and other flowers would be more abundant, more beautiful and less costly than they had ever been before in Rochester and there can be no question but that the Rochester florists enjoyed a larger and more cheerful public patronage because of this frank assurance. Thousands of lilies left unsold and unsalable, even at half-price, in certain markets told the story of the effect of the stupid policy of trying to bully the public. Let it be marked down, once for all, that never again will there be a holiday flower famine in this country or any valid excuse for attempting to advance prices on such days. The "good old times,"—if such they were—have gone forever.

A municipal greenhouse

Boston, ever at the front in matters horticultural, is now discussing the question of a municipal greenhouse. Not the ordinary plant-producing and storage greenhouse, for the city has had for many years a well-equipped range of such houses for the propagation of bedding plants and winter care of many thousands of palms and other decorative plants that in summer so elaborately decorated her public gardens and grounds. The present movement, as outlined by Mayor Fitzgerald, is for a very large conservatory which would form an attractive winter resort in the heart of the city.

This idea was first publicly advocated over a year ago in one of the Boston dailies in giving an account of an interview with Mr. John K. M. L. Farquhar, who suggested filling up the present lake in the Public Garden, and building on its site such a gigantic glass structure.

"The lake in the public garden is in no way attractive, as it is at present," said Mr. Farquhar. "But it has a central location, and other facilities are afforded which make possible improvements on an extensive scale, which will make a public garden in reality that will be a credit to Boston. My proposal is that a building somewhat like the Crystal Palace, London, be erected. It would be perhaps in the form of an immense glass-covered conservatory. The interior appearance would be that of a tropical grove, through which run promenades. One or two bandstands might be erected and seats and tables provided where the people might read.

"An important feature would be miniature playgrounds here and there for the smaller children, and there would be restaurants, where good food might be bought at reasonable prices. The Palmen Garten in Frankfurt, Germany, is a fair example of the thing I propose. Some kind of recreation place where large numbers of poor people could come in winter or summer for free amusement I think should be provided. The Crystal Palace in London will accommodate 50,000 people; we might construct a similar building in Boston to accommodate from 25,000 to 30,000. I would think that for such a cause it would be justifiable to use a part of the income from the Parkman fund."

Fruits and Vegetables Under Glass

WATERING BORDERS

With increasing sun power and more fully developed foliage and fruit to be supported by the roots, borders will be drying out much oftener than they have been. Shallow borders filled with roots will need examining every few days, as any lack of moisture at the root is detrimental to any fruit that the trees may be carrying. As is the case with watering a bench or pot, these will need enough water to soak them through, should any attempt be made to water them. Do not give enough to dampen the top or perhaps half way down and leave the rest underneath dry. In this way some roots are left to die or only perform half their duties. In growing houses where a humid atmosphere is needed it is an excellent thing to thoroughly damp the whole surface of border once a day—preferably soon after noon. Let the hose run long enough for water to run into the surface nearly an inch. This has two points to recommend it, viz.: humidity will be continually rising from this damped surface and through the night there will be sufficient moisture in the house to keep down red spider. Secondly, surface roots are encouraged and they will always find nutriment from the surface soil and the air. Later as mulchings are applied this will keep the mulch in a suitable state for the roots to work into. If this surface damping is practised see that it is not overdone and you are given false impressions as to the state of the soil underneath. With the surface being moist one is apt to forget what may be underneath. The date of last watering put down on the back of memorandum boards will often be of assistance. No law can be laid down as to how often to water fruit borders. The question is often asked by amateurs and no satisfactory answer can be given. Water when they need it and when doing so do it well. If any doubt exists as to what state any border may be in insert a piece of thin iron or very strong wire for a few hours and examine as it is withdrawn.

FIGS

Pots or tubs which are swelling a crop will need a top

dressings. Half decayed cow manure laid lightly on the surface will be relished by the ever-seeking feeding root of a fig. Roots will grow through this as it decays and if necessary more can be added to it later until at the end of the season it will be one net-work of fibrous roots. This was my reason for advocating in an early issue of *HORTICULTURE* making borders for fig houses a few inches below what is their level, as the same thing happens there once they are filled with roots. The fig is one of the most peculiar plants we have both in taste and its mode of formation. In nearly every other fruit we get a flower first and the fruit really is nothing more than part of the flower, i. e., the ovary which at the time the flower expanded contained sacks of ovules. These were fertilized by the pollen grains that attach themselves to the stigma, germinate and are passed down to the ovules. After this a swelling of the ovary commences and the petals, stamens and pistil gradually wither and fall away. In *Ficus carica* the small fruit form in the axils of the leaves and are half developed before they flower. It needs a close inspection to discover when a fig is in flower; the eye of the fruit will open to admit a little air and assume a pinkish color. This should be noted and syringing discontinued for a few days as the similar functions take place in the formation of a fig as any other fruit, but the formation is more complicated. Trees will sometimes cast their first crop after partly developing them; about the time of flowering the fruits assumed a sickly yellowish hue and drop off. This is a more general occurrence with first crops than the second and third and is generally due to poorly ripened wood caused by over-crowding. Other irregularities may cause it, such as dryness at the roots, or in the atmosphere and cold draughts. If a tree is kept in good growing condition this will be avoided.

APPLES AND PEARS

Apples and pears having half-developed fruit will need continual feeding. Take off any superfluous fruits—do not overcrop especially if grown in small pots. Stop young growths at four leaves and continue to do so, as this throws more sap into the fruit as well as causing better flower bud formation later on. Give plenty of light and syringe continuously twice a day, closing down to one inch early enough to allow the house to run up to 80 to 85. Support any weak growths which may be bearing fruit and give a liberal supply of water to the roots at all times.

ORCHARD HOUSE TREES

These will now be swelling away. It is not advisable to hurry any stone fruit too much before it has stoned, consequently plums, cherries, nectarines, etc., will be better to have a temperature of 55 by night with usual advance by day. Apples and pears also seem to swell a more even crop if not rushed too much in the early stages. If not already applied, an occasional solution of lime in the water will be beneficial. Green fly is very troublesome in these houses. Good pressure can be used in the hose when syringing and the house must be fumigated at intervals. Any later trees which may be in flower should have a slightly dryer atmosphere for a few hours previous to noon and the trees given a sharp shake to distribute the pollen.

George H. Benson

CLUBS AND SOCIETIES

PITTSBURGH FLORISTS' AND GARDENERS' CLUB.

The meeting on April 4 brought out a good attendance anxious to hear from the fortunate members who had attended the Boston Flower Show. One after the other detailed their experiences and impressions. One said he would be willing to go to Europe to see a like good show. All agreed the rose exhibit was fine; Walsh's climbers were exquisite, and the sweet pea exhibit was a revelation to our people. Such superb blooms were a surprise to Pittsburghers. The carnations were not quite as fine as at the Carnation Convention in Pittsburgh last year.

On exhibition before the club were fine displays of bulbous stock and azaleas—Holland-grown stuff—and this brought out from one of our members some pointed remarks on the long credits granted by the Holland growers, on account of which the small florist is frequently led into buying stocks beyond his needs, resulting in the spring with his being burdened with narcissi, tulips, hyacinths and Spanish iris without a market. He dumps them on the wholesale commission house, and the result is a general slump in values, not only in bulbous stock but extending to other lines of cut flowers as well. Messrs. Van Acker of Belgium and Huge of Holland were present, and Mr. Huge defended the Holland system of long credits on the ground that if they were not given the Holland growers would sell but little stuff.

The president called attention to some *Harrisii* lilies grown by him that in a temperature of 50 degrees showed no signs of disease but on raising the temperature to 60 degrees signs of disease had at once become manifest.

The judging committee, Messrs. David Fraser and J. Hutchinson, awarded to James Wiseman for calceolarias a cultural certificate. To Frank Crook for *Cineraria stellata* a cultural certificate.

Fred Bartsch, for *Cineraria hybrida* and azaleas, cultural certificate. Jno. Bader for group of Easter plants, award of merit. Phipps Conservatories, for astilbe, cultural certificate. Phipps Conservatories, Schenley Park, for group of Easter plants, first class certificate and cultural commendation.

The subject for May meeting will be Plants and Flowering Shrubs.

H. P. JOSLIN, Sec'y.

HORTICULTURAL SOCIETY OF NEW YORK.

A meeting and exhibition of the society were held on Wednesday, April 12, at the American Museum of Natural History. Twenty-three new members were elected, 6 of these life members, the remainder annual. A large audience listened to an interesting lecture by Dr. E. B. Southwick on "Hyacinths: Their History, Cultivation and Present-day Types," illustrated with lantern slides.

The exhibition was held in the West Assembly Hall and was largely attended. The same good-fellowship, which has been so marked at the previous exhibitions, was again manifest among the gardening fraternity. Those

interested in horticulture are beginning to realize that they now have a place where they can come together once every month and be mutually helpful in discussion and suggestion.

Below will be found the premiums awarded. Messrs. Thos. Aitchison and A. Herrington kindly consented to act as judges.

Lilies, Mrs. F. A. Constable, James Stuart gardener, 1st. Tulips, Mrs. A. M. Booth, E. Fardel gardener, 1st. Narcissus, H. Darlington, P. W. Popp gardener, 1st. Schizanthus, A. Lewisohn, John Canning gardener, 1st; H. Darlington, 2nd. Antirrhinums, Mrs. F. A. Constable, 1st; Mrs. A. M. Booth, 2nd. Calceolarias, A. Lewisohn, 1st; Mrs. A. M. Booth, 2nd. Hydrangea, Wm. Ziegler Estate, A. Bieschke gardener, 1st.

Certificates of Merit were awarded to: C. G. Roebing, J. W. Goodier gardener, for *Odontoda Bradshawiana* and *O. Charlesworthii*; A. Lewisohn, for a new hybrid Impatiens; John Lewis Childs, for three pots of *Calla Elliottiana* and one of *Calla Sulfatere*.

Honorable Mention was given to: John Lewis Childs, for two pots of *Amaryllis formosissima* and one of *Lilium tenuifolium*; H. Darlington, for vase of an ever-blooming *chrysanthemum*.

Silver Medals to: Lager & Hurrell, for a fine plant of *Miltonia Blueana*; Henry Goldman, A. Bauer gardener, for a fine plant of *Cattleya Mossiae*.

Silver Medal and a special cash prize to C. G. Roebing, for a large group of orchid plants and of cut orchids.

Special cash prizes to: Mrs. A. M. Booth, Queen Alexandra Stock and Enchantress carnation; Wm. Ziegler Estate, for a fine group of hydrangeas; Mrs. F. A. Constable, for swainsona; Henry Siegel, Thos. Aitchison gardener, for schizanthus and nasturtiums.

Please note that the next exhibition, which will occur on Wednesday, May 10, and succeeding exhibitions during the summer, will be held in the Museum Building, New York Botanical Garden, Bronx Park, New York City.

GEORGE V. NASH, Sec'y.

NEW JERSEY FLORICULTURAL SOCIETY.

The regular monthly meeting of the N. J. F. S. was held on Friday evening, April 14th. The exhibition of orchids, roses, carnations, and other seasonable flowers was the best and largest for a long time. The question was brought up whether an exhibit that is in competition for points could get a certificate at the same time. After quite some discussion the society decided in the negative. F. A. Cutter was elected to membership and four other names were put in nomination. Following are the awards by the judges:

CLASS A.

Amer. Beauty Roses—Thos. Edison, gard. Frank Drews, 90 points; A. B. Jenkins, gard. A. F. Larson, 87. Mixed Roses—S. M. and A. Colgate, gard. Wm. Reid, 90; A. F. Larson, 85; Frank Drews, 85. Carnations—Wm. Reid, 85; A. F. Larson, 93. *Miltonia Blueana*—Lager & Hurrell, 98. *Cattleya Schroederiae alba*—J. A. Manda, 95. *Cattleya Mossiae*—Thos. Jones, 95. *Cattleya Schroederiae*—Wm. Reid, 85. *Lycaste Skinnerii*—A. F. Larson, 83.

CLASS B.

Stocks—Chas. Hathaway, gard. Max Schneider, 95. Carnations—Fritz Bergland, 75.

CERTIFICATES.

Certificate of merit—Frank Drews for roses. Cultural certificates—Lager & Hurrell for orchids; Max Schneider for lilies and stocks; Frank Drews for antirrhinums.

The judges were C. W. Ashmead, G. H. Strange and D. Kindsgar.

WM. REID, Sec.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular monthly meeting of the above society was held in Pembroke Hall, Glen Cove, Wednesday evening, April 12. President Trepess occupied the chair and there was a good attendance. The result of the prize competition was as follows:

Carnations, 1st, James McDonald. Calceolaria, 1st, Alexander McKenzie. Flowering shrub, 1st, Alexander McKenzie. Carnations, certificate of culture, to Wm. Eccles. Gardenias, certificate of culture to J. W. Everett. Antirrhinums, hon. mention to James McDonald. Mushrooms, hon. mention to Geo. Dorber. Roses, hon. mention to Geo. Dorber.

Messrs. Barton, Wright and Westlake acted as judges. Henry Jones, Thos. Rolley and Andrew McHenry were elected to active membership. A. McKenzie and J. W. Everett and Geo. Dorber spoke as to their methods of culture of their exhibits which were of interest and benefit, and the question box brought out some interesting answers.

It was decided to hold the fall exhibition on Nov. 1st and 2nd. The executive committee were requested to submit a preliminary schedule at the May meeting for the fall exhibition and also one for the rose show which will be held on the night of the June meeting. J. Ingram offered \$5 for sweet peas, 24 varieties, 12 sprays of each. Mr. Sperling, of Stumpp and Walter Co. offered \$5 in prizes for tulips for the May meeting, 6 varieties, 6 of each. The society's prizes for May will be for 12 tulips, vase of outdoor flowering shrub and three heads of lettuce.

ERNEST WESTLAKE, Rec. Sec.

AMERICAN ASSOCIATION OF NURSERYMEN.

The thirty-sixth annual convention of this Association will be held on June 14, 15 and 16, at St. Louis, Mo. The headquarters and meetings will be at the Southern Hotel. For information regarding exhibition application should be made without delay to Mr. J. W. Schuette, 5600 Gravois avenue, St. Louis, Mo., chairman of committee on exhibits. Intending exhibitors should write him now.

We learn that no special rates will be authorized for members attending the convention. The guarantee required is prohibitive as far as this Association is concerned. A "special party rate" may be obtained in cases where ten or more can gather at some central point, the conditions being that the same route be used both going and returning, all traveling on one and the same ticket.

Mr. Frank Weber, chairman of the entertainment committee, advises us that the program, as outlined up to the present, includes visit to Missouri Botanical Gardens; automobile ride through the residence sections, the parks and main business sections of the city; "special car" trip for ladies only to a popular summer garden theatre; "Shaw Banquet" for members, and a boat ride for all on the beautiful and majestic Mississippi river, with music and refreshments. A royal good time is assured. The secretary of the Association is Mr. John Hall, 24 Granite building, Rochester, N. Y.

AMERICAN ROSE SOCIETY EXHIBITION NOTES.

The great exhibition of flowers in Boston was a wonderful display of ornamental horticulture. It can be stated, without any disregard to any section or portion, that, to the eye, the most striking exhibit that was offered there was the roses. The American Rose Society put up for three days a display of cut flowers that was the attraction of all visitors. The three exhibits in the second edition of the show on the last three days, were also the center of attraction. Each of the three was so different in make-up that each added to the other by comparison. President Elliott's cabin-shaped exhibit, showed the roses that took the eye for variety. A. N. Pierson, Inc., great group was so extraordinary that the crowd looked with amazement at the extent of the mass. Adolph Farenwald's display of roses and ferns in a circle on the floor showed up to advantage.

F. R. Pierson Co. received a certificate of Merit. Myers & Samtmann received a certificate for the new rose, "Hilda." S. J. Reuter & Son and Robert Scott & Son were awarded silver medals. A. N. Pierson, Inc., was awarded three certificates and carried off the first prize of \$250. The honors for pot roses were divided between M. H. Walsh and Thomas Roland. The Society of American Florists' silver medal was awarded to M. H. Walsh. The judges made memorandum: "The rose Madison, exhibited by the Brant, Hentz Flower Co., in the opinion of the judges an excellent rose, apparently a variation from the Bride, is shown in excellent shape." So close was the character in quality of the mass of exhibits that the judges made the following special report at the conclusion of their awards: "The judges wish to call attention to the special excellence of the total exhibits staged. The competition was so keen that there was very little difference in quality and size between those awarded first and second prizes, and the exhibits of the roses at large were of a quality exceedingly even and close seconds to the best. William F. Kasting, Frederick Burki, Otto G. Koenig, Walter F. Sheridan, judges. The judges for the second division were Messrs. Emil Buettner, Park Ridge, Ill., and Joseph Hill of Richmond, Ind.

The display of pot and climbing roses by M. H. Walsh of Woods Hole, Mass., most certainly was an enormous exhibit. Adjoining this was a rose garden laid out in a wonderful manner by Thomas Roland, of Nahant, Mass. These two exhibits covered so much space and along the main aisle that they were seen and admired and talked about without limit, and the number of questions that were asked regarding these plants, the time of their bloom, whether they would grow around a porch, would they grow in a back yard, will they grow on a northern exposure, is the southern sun too hot for them, etc., would make a small book. The retailers who exhibited under a special class put up five fine and interesting exhibits.

At the annual meeting which was well attended the delegation of English gentlemen was present. Adolph Farenwald was elevated to the presidency and Philip Breitmeyer was chosen vice-

IBERIS SEMPERVIRENS LITTLE GEM.



The hardy perennial candytuft is too well known to need any description here. The dwarf variety shown in the picture is well named, for it is a "little gem," being a perfect sheet of pure white flowers in the spring. As a pot plant for Easter it meets with a ready sale. M. C. Ford, the New York

wholesaler disposed of an enormous quantity for Easter, also of pink flowered Phlox subulata, which brought \$3.00 to \$4.00 per dozen wholesale in 4-inch pots. We are indebted to H. A. Dreer, Inc., for the photograph of this Iberis also for that of Nierembergia rivularis which appears herewith.

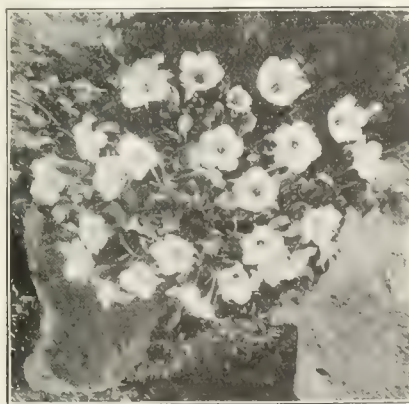
president. Eber Holmes, of Montrose, Mass., was added to the executive committee and Mr. Wallace R. Pierson was re-elected for a term of three years. Treasurer H. O. May was re-elected as was also the secretary. The question arose concerning the holding of the next Rose Show and the Carnation Show upon the same date in Detroit. Twenty-eight new and old members paid dues during the exhibition.

The medals and certificates and special prizes will be delivered without undue delay.

BENJAMIN HAMMOND, Sec'y.

NIEREMBERGIA RIVULARIS.

This is a very desirable hardy perennial well adapted for rockeries and Alpine gardens in which much interest has been aroused of late. As the pic-



ture shows the flowers are large and beautiful. The flowers which are produced abundantly from June to September are bell-shaped, creamy white with yellow throat. It makes a close matted growth seldom reaching more than six inches in height.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

Preliminary schedule for Summer Exhibition to be held in Philadelphia, Pa., June 23 and 24.

Class 1. President Burpee's cup, value \$25.00, for the finest collection of Sweet Peas, 12 vases, 12 varieties.

Class 2. The W. Atlee Burpee prizes for vase of one variety of Spencer type Sweet Peas introduced 1911; first prize, \$5.00; second, \$3.00; third, \$2.00.

Class 3. The W. Atlee Burpee prizes for vase of grandiflora type of Sweet Peas; first prize, \$5.00; second, \$3.00; third, \$2.00.

Class 4. The Henry F. Michell Co.'s prizes for 6 vases of Sweet Peas in the following six varieties: Nora Unwin, Asta Ohn Spencer, Lovely Spencer, Captain of the Blues Spencer, King Edward Spencer, Blanche Ferry. First prize, \$10.00; second, \$5.00.

Class 5. The Henry F. Michell Co.'s prize, for the best vase of Spencer Sweet Peas in mixed varieties; \$2.50.

Class 6. The Henry F. Michell Co.'s prize for the best vase of "magnificent" Sweet Peas mixed; \$2.50.

Class 7. The Peter Henderson & Co.'s prize of \$15.00 to be awarded to the exhibitor of the best vase of not less than 50 stems of Martha Washington Sweet Peas, own foliage (amateurs only).

Class 8. The Peter Henderson & Co.'s prize of \$10.00 to be awarded to the best collection of 12 distinct varieties of the Waved Spencer Sweet Peas, not less than 12 stems to a vase, own foliage (amateurs only).

Class 9. The Arthur T. Boddington prize, a silver "Challenge Cup," value \$50.00, for a collection of Sweet Peas, 25 varieties, not less than 25 stems to a vase, to be shown with Sweet Pea foliage only. To be won twice by the same exhibitor. Arthur T. Boddington will also award to the winner of this cup (each time won) a cash prize of \$25.00, also \$15.00 second prize and \$10.00 third prize.

Class 10. The Harry A. Bunyard prizes for vase of vari-colored Sweet Pea. First prize, \$3.00; second, \$2.00; third, \$1.00.

Additional prizes are invited from the trade, which will be published from time to time.

For further particulars write to:

HARRY A. BUNYARD, Sec.,
342 West 14th St., New York, N. Y.

Obituary.

Emile Michel.

Emile Michel, florist, died at his home in Little Neck, L. I., N. Y. on April 3rd, age 44 years. A widow and several children survive him.

John F. Sharkey.

John F. Sharkey, formerly in the employ of Thos. Young, Jr., and who later conducted a retail florist store at 46th street and 6th avenue, New York, N. Y., died April 4th at the age of 32 years. He is survived by a widow and daughter.

Dr. Edward Palmer.

Dr. Edward Palmer, a well known botanist and explorer, died at Washington, D. C., April 11th at the age of 80 years. He was for many years connected with the National Museum, Smithsonian Institute and Bureau of Ethnology.

Mrs. George Stollery.

Mrs. Catherine W. Stollery, wife of Geo. Stollery passed away April 10th, at her home at 5063 Southport Ave., Chicago, after a short illness. Interment took place at Rosehill and services were held at Rosehill chapel, Thursday, April 13th. Mrs. Stollery leaves four small children and a husband.

Wm. R. Starrett.

The many friends of William R. Starrett were greatly shocked to learn of his sudden death April 12. He had been at the office of the Chicago Carnation Co., where he was sales manager, each day as usual, and left for the last time Tuesday evening, in the best of spirits. That night he succumbed to heart failure and at the inquest headache powders were named as a probable cause.

Will Starrett was born in Chicago twenty-six years ago and was the son of the well known florist John Starrett of the La Salle Hotel. He was married seven years ago to Julia Hoff, who, with two sisters and two brothers survive him. The funeral took place on Friday from the residence at 3635 Cottage Grove Ave and interment was in Mt. Olive Cemetery. Will Starrett was one of the most popular young men in the trade. Always obliging and of a kindly disposition he will be missed by his associates. On Easter Sunday his sister Mrs. Roy Coppersmith passed away at the Lakeview Hospital and the family have the sympathy of the trade in their double bereavement.

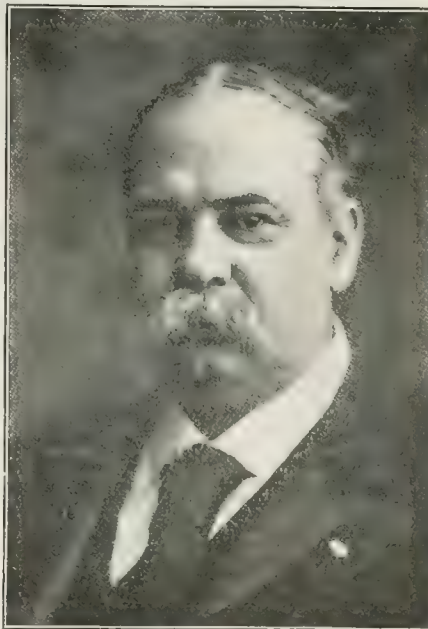
Edward A. Moseley.

Edward A. Moseley, secretary of the Interstate Commerce Commission, author, publicist, legislator and philanthropist, died on April 18, at Washington, D. C., after an illness of six months.

In the passing of this big-hearted, magnetic man the country loses one of its most useful citizens and horticulture a devoted enthusiast. The daily papers have recited his public achievements, his unique services on behalf of the traveling public and transportation interests, his tact and administrative ability as displayed during his 24 years' as Secretary of the

Interstate Commerce Commission, from the time of its appointment until his death, and we shall therefore confine these notes to a brief and most inadequate recognition of his association with horticultural interests and the personal esteem in which he was held by all with whom he came in contact in this circle.

It was his intense love for flowers and his unbounded esteem for those engaged in their culture, that had much to do with the whole-hearted kindness and courtesy which Mr. Moseley extended to the representatives of the Society of American Florists in their appeal against the injustice of the United States Express Company a few years since. The Society of American Florists, of which he was a life member, owes a big debt of gratitude to Ed. Moseley as also does every



EDWARD A. MOSELEY

individual interested in the transportation of flowers by express.

The Florists' Club of Washington loses, by his death, a member who was a member because he loved the organization, the art for which it stands and the boys who are its moving spirits. He was at all times ready to place himself at their disposal whenever he could be of service. To all he was a most delightful companion, a steadfast friend, a personality both loving and lovable. After funeral services in Washington, the body was taken to his native town, Newburyport, Mass., for burial. Mr. Moseley was 65 years of age. He leaves a widow and one daughter.

CHICAGO NOTES.

Trade Notes.

Wm. Lynch, in charge of the cut-flower department of the E. H. Hunt Co. is reported as about to take up the growing part of the business.

The Chicago Carnation Co. are rapidly getting their new rooms in shape for occupancy on the first of May. Mr. Kline has been engaged as sales manager.

Jas. Fitzgerald, night watchman for many years in the florists' stronghold, the Atlas Block, corner of Wabash

and Randolph, met his death April 14, by falling down the elevator shaft.

The Desplaines Floral Co. will rebuild four of their greenhouses this spring and equip them with cement benches. Some very fine Sangamo and May-day carnations were seen there just before Easter and Mr. Blewett stated that he would grow the latter extensively next year.

A. Lange tried a new method of delivering his Easter plants and flowers which proved very successful. Instead of employing taxicabs as formerly he engaged high school boys to deliver with wagons. The students from the North Western University also proved good help in the sales department.

O. J. Friedman is moving from his store in the Stratford Hotel Block and will combine all his forces for the present in the one store in the Congress Hotel. A new office for the cashier is under way and other changes will be made to increase the facilities for handling the trade. Another store may be opened later.

Personal.

E. B. Washburn is back again at his desk entirely recovered from his recent illness.

Just before Easter E. C. Amling had the misfortune to be taken down with tonsillitis, but everything went on as before in that well ordered store.

A. Meyer, of South Holland, Ill., is again one of the first to send in pansies. His immense seedling daisy is keeping up to its reputation made last year.

Kalamazoo, Mich.—Former City Treasurer Abraham Newland who with William Van Peenan conducted a greenhouse and florist business on Cork street has been missing since March 27th. As far as can be learned there was not the slightest reason why he should leave Kalamazoo without telling of his destination and purpose of departure.

Bargain in 2½ inch Carnation Stock

READY TO FIELD AT ONCE.

We offer until sold, for spot cash, 30,000 selected stock raised for our own planting. Established in pots in February, extra strong. Also 20,000 R. C.

	2½ Inch Pots.	R. C.
1000 Alma Ward.....	\$10.00 per 100	\$7.00
1500 Mrs. C. W. Ward...	9.00 per 100	6.00
1000 Dorothy Gordon...	8.00 per 100	6.00
Georgia	4.00 per 100	3.00
White Enchantress.....	4.00 per 100	3.00
Enchantress	4.00 per 100	3.00
Rose Enchantress.....	4.00 per 100	3.00
Beacon	4.00 per 100	3.00
White Perfection.....	4.00 per 100	3.00
Rooted Runners, P. of Wales Violets,	\$15.00 per 1000.	
5000 Salvias Zurich and Bonfire, sturdy,	transplanted, ready for 3 inch, \$2.00 per	
100; \$15.00 per 1000.		

HARLOWARDEN GREENHOUSES

GREENPORT, - - L. I., N. Y.
H. S. COURTNEY, Supt.

Moonvines

Ipomoea Noctiflora, our so well known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2½-in. pots, will make good stock for you to propagate from, \$5.00 per 100.

Godfrey Aschmann

Wholesale Grower and Importer
of Potted Plants,

1012 W. Ontario St., PHILADELPHIA, PA.



DELPHINIUM BELLADONNA.

Dreer's Hardy Delphiniums

Belladonna. The freest flowering of all the Delphiniums and the most valuable for cutting, its beautiful turquoise-blue flowers appeal to all who see it. Plant these early and you will have a continuous display of bloom from June until freezing weather. We offer an exceptionally fine lot of extra heavy one-year-old plants, \$1.50 per dozen, \$12.00 per 100, \$100.00 per 1000.

Dreer's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids ever brought together, being seedlings of one of the best named collections and containing some wonderful varieties. Strong one-year-old plants, \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

Formosum. A splendid strain of this popular favorite dark blue variety, 85 cents per dozen; \$6.00 per 100; \$50.00 per 1000.

Chinense Blue and White. 75 cents per dozen; \$5.00 per 100.

Choice and Rare Named Hybrid Varieties

Amos Perry. Symmetrically formed, semi-double flowers of a rich rosy-mauve, flushed sky-blue, conspicuous black eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Amyas Leigh. Large spikes of rich sky-blue flowers, the inner petals rich rosy-plum with white centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Belladonna. The freest of all, never out of bloom. Beautiful turquoise-blue flowers. 15 cents each; \$1.50 per dozen; \$12.00 per 100.

Duke of Connaught. Rich oxford-blue, with distinct bold white eye. \$2.50 per dozen; \$20.00 per 100.

Julia. Gigantic flowers of a pretty "Cornflower" blue, beautifully veined with rose and large pure white eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Lemartin. Similar in growth and habit to Belladonna, but with rich Gentian-blue flowers with white centre. 20 cents each; \$2.00 per dozen; \$15.00 per 100.

Mrs. Creighton. Semi-double, outer petals deep sky-blue, centre rich plum with black eye. 25 cents each; \$2.50 per dozen; \$18.00 per 100.

Mme. Emma Zaiser. Flowers nearly 2 inches in diameter, rich cambridge-blue, flushed rose, jet-black-centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Mme. Violet Geslin. One of the finest, flowers perfectly round, clear blue, centre lavender, with bold white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Musea. Large circular flowers of a curious shade of rosy-mauve, edged cambridge-blue, with dark eye. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Portia. Lovely "Cornflower" blue, with faint flush of rose and black centre. 25 cents each; \$2.50 per dozen; \$20.00 per 100.

Queen Wilhelmina. Massive spikes of sky-blue flowers flushed with rose, with very large pure white eye. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

Rembrandt. Large loose spikes of bright sky-blue flowers, inner petals rosy-lavender, the whole suffused with a silvery sheen. 30 cents each; \$3.00 per dozen; \$25.00 per 100.

White Seedlings. These have been carefully selected and will be found desirable in any collection. 30 cents each; \$3.00 per dozen.

NEW WHITE DELPHINIUM.

Hybridum Moerheimi. The first really pure white Delphinium introduced and a sterling novelty; a strong vigorous grower and a remarkably free bloomer. Stock limited. \$2.00 each.

Dreer's Superb Double Hollyhocks

We have this season a fine lot of strong, clean, healthy, vigorous one-year-old flowering plants of the finest strain, as under:

Double White,
Double Pink,

Double Yellow,
Double Red,
\$1.50 per dozen; \$10.00 per 100.

Double Rose,
Double Maroon.

Single Mixed	Per doz. 1.25	Per 100 8.00	Double Mixed	Per doz. 1.25	Per 100 8.00	Double Fringed Allegheny	Per doz. 1.25	Per 100 8.00
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HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia, Pa.

For a complete list of Hardy Perennials and other seasonable stock see our current wholesale list

The above prices are intended for the trade only

CHRYSANTHEMUMS and ASTER SEED

ELMER D. SMITH & CO., Adrian, Mich.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;
\$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

1911 Quincy St., CHICAGO, ILL.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Parkins Street Nurseries, Roslindale, — Boston, Mass.
Price list on application.

BOSTON FERNS, 2 1/2 inch \$30.00 per 1000.
WHITMANI, 2 3/4 inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.
MAGNIFICA, 1 1/2 inch 15 cents each.

H. H. BARROWS & SON
Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

FERNS

Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

Gladiolus, Cinnamon Vines

Madeira Vines, Lilies, Iris, Daphne
Cneorum, Syringa Japonica
and Wistarias.

Write for Price List.

E.S. MILLER, Wading River, N.Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

Decoration Day Roses

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Hardy Perpetual Roses

We offer extra-strong forcing stock, in the following varieties, true to name: Price, 75 cts. for 5 (of one variety), \$13 per 100, \$120 per 1000 (immediate delivery).

Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Large, pure white.

Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Delicate flesh color.

Clio. Satin blush; very fine new sort.
Duke of Edinburgh. Bright vermilion.
Fisher Holmes. Dark velvety crimson.

Frau Karl Druschki. The finest white in existence.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson; the popular Rose.

John Hopper. Bright rose, with carmine center.
La France. Peach-blossom pink.
Mme. Charles Wood. Bright carmine.

Margaret Dickson. White, with pale flesh center.
Marshall P. Wilder. Cherry-rose and carmine.

Magna Charta. Dark pink.
Mme. Gabriel Luizet. Light, satiny pink.
Mrs. John Laing. Rich, satiny pink.

Mrs. Sharman Crawford. Deep rosy pink.
Paul Neyron. Lovely dark pink.
Persian Yellow. Hardy yellow rose.

Prince Camille de Rohan. Dark crimson-maroon.
Soleil d'Or. Large, globular flowers, varying in color from gold and orange to reddish gold, shaded with nasturtium-red.

Ulrich Brunner. Cherry-red; grand rose; free. For Prices, see above

English Moss Roses

Assorted, White, Pink, Red. Large dormant plants, from open ground. 75 cts. for 5, \$14 per 100.

Baby Rambler Roses

PHYLLIS. Very fine clear pink, highly recommended. \$1.25 for 5, \$20 per 100.

PHYLLIS (Grown as a Standard). \$2 for 5, \$35 per 100.

BOSKOP BABY. Color beautiful shade of China rose, very free-flowering and easily forced. \$3.25 for 10, \$30 per 100.

BABY DOROTHY. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85 cts. for 5, \$15 for 100.

BABY DOROTHY (Grown as a Standard). For description, see above. 50 cts. each, \$4.75 for 10, \$45 per 100.

CATHARINE SEIMETH. A very important novelty. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. It has the true rose perfume. 85 cts. for 5, \$15 per 100.

MRS. WM. H. CUTBUSH. A grand acquisition to the Baby Rambler class. Color intense crimson and exceptionally free-flowering. 85 cts. for 5, \$16 per 100.

MME. NORBERT LEVASSEUR (Baby Rambler). Strong, field-grown plants, 75 cts. for 5, \$14 per 100.

BABY RAMBLER (Grown as a Standard). The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40 cts. each, \$3.75 for 10, \$35 per 100.

Ramblers and other Climbing Roses

CLIMBING BABY RAMBLER (Miss C. Mesman). A novelty for 1911, where the Baby Rambler is popular, the climbing type will soon become so, too. We have a small stock, and offer same as follows. It is a true Polyantha type, color deep rose. 50 cts. each, \$2.25 for 5, \$40 per 100.

GLOIRE DE DIJON. Color buff, orange center, very sweet-scented. Field-grown. \$1.50 for 5, \$22.50 per 100.

CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 5 feet, \$1.75 for 10, \$15 per 100; 4 to 6 feet, \$2.25 for 10, \$20 per 100; 7 to 8 feet, extra heavy, \$4 for 10, \$35 per 100.

DOROTHY PERKINS. Resembles the Crimson Rambler, except in color, which is a lovely shell pink, holding a long time without fading. 4 to 5 feet, \$1.75 for 10, \$15 per 100; 8 to 9 feet, \$2 for 10, \$18 per 100.

TAUSENSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$1.75 for 10, \$15 per 100.

TAUSENSCHON (Grown as a Standard). Fine for forcing. 40 cts. each, \$3.75 for 10, \$35 per 100.

Something New in Roses for Florists

Half-Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (Half Standard). Deep pink. 40 cts. each, \$4 per doz., \$30 per 100.

BABY RAMBLER (Half Standard). Crimson. 40 cts. each, \$4 per doz., \$30 per 100.

BABY CATHERINE SEIMETH (Half Standard). White. 40 cts. each, \$4 per doz., \$30 per 100.

BABY "STARS AND STRIPES" (Half Standard). White and red grafted on the same plant; most attractive. 45 cts. each, \$4.50 per doz., \$35 per 100.

PHYLLIS (Half Standard). Carmine pink. 45 cts. each, \$4.50 per doz., \$35 per 100.

TAUSENSCHON (Half Standard). Soft pink. 40 cts. each, \$4 per doz., \$30 per 100.

MRS. CUTBUSH (Half Standard). Rose pink. 40 cts. each, \$4 per doz., \$30 per 100.

Well-Known Climbers

Mme. Plantier. White.
Baltimore Belle. Pale blush color.
Prairie Queen. Red, changing to pink.
Seven Sisters. Clear pink.
75 cts for 5, \$14 for 100

English Grown Hybrid Tea, or Everblooming Roses, etc.

Hybrid Tea or Ever-blooming Roses are becoming more popular every year. As hardy as the perpetuals, with slight protection in Winter, they give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

THE GRAND ROSE LYON. Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large with broad petals, full and globular in form; shrimp pink at the ends of the petals, center coral-red or salmon-pink, shaded with chrome yellow. Very fragrant. 40 cts. each, \$1.75 for bundle of 5, \$30 per 100.

THE KILLARNEY ROSE. This is a grand Rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion. Strong, 2-year-old field-grown stock, \$1.25 for bundle of 5, \$22.50 per 100.

MAMAN COCHET ROSES. The best of all Roses for Summer-flowering and cutting.

Maman Cochet (Pink). Color is clear, rich pink, changing to silvery rose; very double and fragrant.

Maman Cochet (White). A sport from the above, with all its characteristics; color a beautiful snow-white, at times tinted with the faintest suggestion of blush, the same as is often found in the Bride.

\$1.25 for bundle of 5, \$22.50 per 100.

ROSE, Etoile de France. Flowers large, possessing petals of very good substance; magnificent cupped form. Superb crimson-red velvet, the center of the bloom vivid cerise-red. The flowers are very fragrant and last very long. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced. Strong, 2-year-old plants, field-grown, 85 cts. for bundle of 5, \$15 per 100.

BESSIE BROWN. Creamy white, \$2.50 for 10, \$22.50 per 100.

GRUSS AN TEPLITZ. No Rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower, \$1.75 for 10, \$15.00 per 100.

VISCOUNTESS FOLKESTONE. A large full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous, \$1.25 for 5, \$22.50 per 100.

HERMOSA. Soft pink; flowers full and freely produced; a good grower, \$1.25 for 5, \$20.00 per 100.

RICHMOND. The well-known red Rose of commerce, \$1.25 for 10, \$22.50 per 100.

PRESIDENT CARNOT. Almost pure white Rose, shading to soft pink, very distinct and excellent for indoor or outdoor Summer growing, \$1.25 for 5, \$22.50 per 100.

BETTY. Copper-yellow, overspread with golden-rose. A fine formed Rose, large and moderately full, \$1.75 for 5, \$25.00 per 100.

MADAME ABEL CHATENAY. Carmine-rose, shaded salmon-pink, \$2.50 for 10, \$22.50 per 100.

MILDRED GRANT. Cream, with a faint blush of pale rose, \$2.50 for 10, \$22.50 per 100.

AMERICAN BEAUTY. Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous. Strong, field-grown plants, 75 cts. for bundle of 5, \$14 per 100.

CAROLINE TESTOUT. Bright satin rose, with brighter center, large full, globular; sweet-scented, \$1.25 for bundle of 5, \$22.50 per 100.

We carry a much larger list of Hybrid Teas in our retail catalogue, which will be sent on application.

KAISERIN AUGUSTA VICTORIA. An almost pure white Rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer-blooming. Bundle of 5 for \$1.25, \$22.50 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK CITY

PLANT for IMMEDIATE EFFECT BROAD LEAVED EVERGREENS

Rhododendron Maximum, 2-5 feet high

Kalmia latifolia, 1-3 ft. high

in carload lots and small quantities. We also have a fine stock of hardy hybrid **Rhododendrons**

Eastern Nurseries, Jamaica Plain, Mass.

HENRY S. DAWSON, Manager

Write for Prices

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

A GREAT HAIL STORM IN ST. LOUIS.

A great hail, wind and rain storm visited this city on Thursday, April 13th, at 5 P. M., and all the florists of the city suffered a heavy loss of glass and plants. The store men in the western part of the city with show houses had a great loss, as all were stocked up with their Easter plants. Out in Kirkwood where all of the violets, sweet peas and the bulk of the carnations come from there was an almost complete loss of glass and the heavy rains that followed soaked the blooms to such an extent that many were ruined. The majority of the losers carry hail insurance and those that did not undoubtedly will do so after this.

The heaviest losers in the city were the C. Young & Sons Co. President Young says he can't estimate the loss but thought it would run near to \$25,000. Other sufferers are Bentzen & Co., Koenig Floral Co., F. H. Meinhardt, Chas. Bleekert, Alex. Waldbart, C. C. Sanders, Grimm & Gorly, Huettermann, A. G. Greiner, R. Frow, A. Sanger, Robt. Scott, Alex. Johnson, J. Nyflot, Schilds, Steers and a host of smaller places. Those in the city with plant houses who lost heavily were Kalisch Bros., F. C. Weber, F. H. Weber, Ellison Floral Co., Theo. Miller, J. F. Windt, Volkman & Townsend Floral Co. Mrs. M. M. Ayers and George Waldbart just escaped the hail. The city park departments sustained a heavy loss at their Forest Park Greenhouses. Cannon Floral Co. and Jos. Hauser at Webster also had a big loss. At Kirkwood there are so many that it would take up too much space to mention all the names. The Oakland Floral Co., Wm. Winter, F. W. Ude, Jr., and Hugo Gross, who have the large plants had a complete loss. The estimate of glass destruction in Kirkwood is upwards of 215,000 feet.

The aggregate loss to florists by this hail storm will perhaps run close to \$75,000, if not more.

CORRECTION.

The report of the sale of stock of the Davenport Nursery Co., Davenport, Iowa, given in the April 8th issue of HORTICULTURE was secured from an apparently reliable source. It appears not to have been authentic, however, as Mr. Bryant informs us that the stock has not been sold.

Own Root Roses

400 White Killarney...\$4.00 per 100

900 Pink " ... 4.00 " "

700 Mrs. Aaron Ward..10.00 " "

Own Root, Good Clean Stock.

Cash from unknown parties

Montrose Greenhouses

Montrose, Mass.

200,000 CANNA ROOTS

As good as can be grown. Our stock is very large, and to move a large quantity at once we will offer a big reduction on the regular price. We grow 120 varieties, don't fail to get our started plant proposition. Send for price list of Cannas, Caladiums, and Xanthosomas the new Flowering Caladiums. They will be money makers.

CLEAR VIEW GARDENS THE CUMMINGS CO., INC

Successors to
THE FRANK GUMMINGS BULB AND PLANT CO.
MERIDIAN, MISSISSIPPI.

ROSES

A. N. PIERSON, Inc.
Cromwell, Conn.

"Nothing but Roses"

Spring List ready, 200 old and new sorts, 2½ and 4-in. on own roots.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

The Shatemuc Rose

Our new Seedling from Rosa multiflora nana. Double flowers in full clusters on long sprays.

Delicate Peach blossom color.
Strong plants for flowering this summer. 75 cts. each.

SHATEMUC NURSERIES, Barrytown, Dutchess Co., N. Y.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lillies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St.
New York, N. Y.

In ordering goods please add "I saw it in HORTICULTURE."

One wise man can fool ten fools easier than ten fools can fool one wise man.

The wise lily bulb buyer never buys just because the price is low, even from his best friend for the simple reason that since he is in business to make money, he can't afford to buy anything but that which will net him the most profit on his investment.

There is no brand known which will net a larger real profit on the average than Horseshoe Brand Giganteum.

They cost only a little more per bulb but not a cent more than they are worth.

Now, are you willing to pay just a little more for a real first class article in lily bulbs? Write us for catalog.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Cold Storage Bulbs on hand.
Giganteum, Multiflorum, Formosum, Magnificum, Rubrum, Auratum, Bamboo Canes, etc.

Seed Trade

Seeds and Bulbous Roots for Canada.
(From Consul Frank Deedmeyer, Charlottetown, Prince Edward Island.)

Under the pending American-Canadian reciprocity agreement flaxseed or linseed, cotton seed, and other oil seeds; grass seed, including timothy and clover seed; garden, field, and other seeds, except flower seeds not specially mentioned, when in packages weighing over 1 pound each, will enter the Dominion free of duty.

The value of imports by Canada of seeds and bulbous roots declined from \$3,559,454 in 1908 to \$2,083,619 in 1909 and to \$1,181,173 in 1910. Of the 1910 imports \$1,030,218 worth came from the United States. Freed from duty and under the stimulus which agriculture in the Dominion is likely to receive with the unhampered admission to the United States of farm products, American seeds and bulbous roots will be in great demand in the Canadian Provinces this year. The principal imports in the fiscal year ending March 31, 1910, in this line were: Mangolds and beet, \$44,241; carrots, \$9,421; grass and clover, \$855,440; other field and garden seeds, \$291,613; mustard, \$21,761; rape seed, \$9,407; turnip seed, \$10,867.

In eastern Canada agriculture is becoming more diversified. The farmers, leaving the production of the cereals for export to the West, aim more at a variety of crops raised from selected seed. To extend the sale of seeds and bulbous roots it is suggested that American exporters exhibit at the agricultural and seed fairs held in the fall in all sections of the Dominion. The dates and places where such fairs are held can be ascertained on application to American consular officers.

In Prince Edward Island agriculture is intensive and diversified. With few exceptions the farms are under 100 acres in area and owned by the occupants. In 1910 the value of the farm and animal products of this island was \$12,000,000, or about \$900 per farm. With free markets in New England and New York for their products, the income of these farmers will be increased 25 per cent.

(A list of dealers in seeds and bulbous roots in the Province of Prince Edward Island may be obtained from the Bureau of Manufactures.)

Notes.

We are informed that the price of French bulbs this year is to be still higher than last year. The reason for the advance is not apparent.

Sam. M. Sibley, genial representative of Leonard Seed Company, Chicago, is laid up sick in Baltimore. Nothing serious, though, we are assured.

Rocky Ford, Colo.—D. V. Burrell has purchased 10 acres of land here for experimental work and plans to build a greenhouse later and use the whole 10 acres for seed growing.

Providence, R. I., seedsmen report that the cold weather and tardy spring have had a discouraging effect on the retail seed trade which up to date, is a long way behind where it should be.

Ole K. Olson, the industrious farmer

Asparagus Plumosus Nanus Seed

New Crop Just Received

True to Name and of High Germinating Quality

GREENHOUSE HOME GROWN SEED		LATHHOUSE GROWN SEED	
500 Seed.....	\$ 2.25	500 Seed.....	\$ 1.50
1,000 "	4.00	1,000 "	2.75
5,000 "	18.75	5,000 "	13.50
10,000 "	35.00	10,000 "	26.00
25,000 "	83.75	25,000 "	62.50

Send for our Florists' Price List.

HENRY F. MICHELL CO.

518 Market St.

Phila., Pa.

of Parker, has contracted for 800 acres of seed peas to be grown in this section of the country, all of which has been contracted through the Coulter-Adams Seed Co., of Ogden, for the various large seed houses of New York, Michigan and California, etc. The farmers will be paid an average of three cents per pound F. O. B. St. Anthony.

J. R. Sharp, on Route 2, has contracted to grow ten acres of seed peas on his farm for Ole K. Olson.—St. Anthony, Ida., Chronicle.

PUBLICATIONS RECEIVED.

The Gladiolus.—Published by Vaughan's Seed Store, Chicago and New York.—This book purports to be a practical treatise on the culture of the gladiolus, with notes of its history, storage, diseases, etc., and a perusal of its contents shows that it fills the bill. It comes at an opportune time when the gladiolus is rapidly coming to the front as a specialty and with the impulse of an energetic society to help promote its advancement. The authors of this book are Matthew Crawford and Dr. W. Van Fleet. All useful details, such as soils, planting, cultivating, digging and curing, cleaning and grading and storing, growing from seed and from bulbets, crossing, enemies and diseases, are fully explained and the gladiolus fraternity will, no doubt, extend a hearty welcome to the book. There are 100 pages and several full page illustrations.

Grand Rapids, Mich.—The council committee on parks reported that it favored the proposition of M. A. Tuinstra to sell the property known as the Smith greenhouse to the city for \$12,500, the same to be made a part of John Ball park. It recommended, however, that the matter be referred to the park board, which was done.

SEEDS

Asparagus Plumosus \$2.00 per 1,000.
SPRENGERI \$1.00 per 1000. STRAWBERRY GUAVA .20 cts oz. SMILAX 25 cts per oz. All from my own plants.

C. H. Gardiner, South Pasadena, Calif.

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York

BEGONIAS

Begonia Glorie de Lorraine, Begonia Lonsdale, \$15.00 per 100, \$140.00 per 1000.

Begonia Glory of Cincinnati, \$25.00 per 100, \$200.00 per 1000, 250 at 1000 rate. Strong 2½ in. pot plants, twice transplanted. No better stock obtainable. Place your order early to insure May and June deliveries.

Absolute satisfaction guaranteed.
Katalog for the asking.

SKIDELSKY & IRWIN CO.

1215 BETZ BUILDING, PHILADELPHIA, PA.

SEEDS BULBS

For Immediate Planting

Finest Florist Strains

"BUDS"

C. R. CLOECKNER, Pres.
76 Barclay Street, New York

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

WEEBER & DON

Seed Merchants and Growers, 114 Chambers St., City

ONION SETS

HEADQUARTERS FOR THE EAST.
We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,

82 Dey Street,
Orange, Conn. New York City.

All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
Marigolds, Gourds.

VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
Onions, Peas, Radish, Squash.

Lawn Grass and Clover Seeds, Best
Grades of Farm Seeds.

Dahlias, Tuberoses, Gladioli, Tuberous Begonias
Lycoris, Cannas, Coleus, Geraniums.

Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

JAMES VICK'S SONS

SEEDSMEN

ROCHESTER, N. Y.



BEGONIAS GLOXINIAS

in separate colors

Asters in all varieties and
in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - BOSTON

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

ONION SETS
Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C.
E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910,
writes as follows: - I want to state that your three
grades of Poultry Food; Chick Starter Developing
Food and "Square Deal" Scratch or Poultry Food
stands without an equal to day. They are perfect
mixtures and sound in grain and a pleasure to
handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

In ordering goods please add "I saw
it in HORTICULTURE."

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

In ordering goods please add "I saw
it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 889. Aldine 887, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Elyria, Ohio.—The flower store of
Copas Bros. has been moved to And-
war Block, Court street.

Elizabeth, N. J.—Henry Leahy, flor-
ist, has moved into a new store at
1169 East Jersey street.

Grand Forks, N. D.—The business of
Frank V. Kent & Co. has been pur-
chased by C. W. Johnson formerly
employed by E. H. Hunt.

Dover, N. H.—The new flower store
opened by Charles L. Howe, proprietor
of the Garrison Hill Greenhouses, will
have as manager, Herbert E. Meader.
This store is one of several of which
Mr. Howe is proprietor, others being
located in Laconia, Portland and
Augusta.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow..April 27
American.

St. Louis, N. Y.-S'hampton..April 22
St. Paul, N. Y.-S'hampton..April 29

Atlantic Transport.

Minnehaha, N. Y.-London....April 29
Cunard.

Carmania, N. Y.-Liverpool..April 22
Campania, N. Y.-Liverpool..April 26

Carpathia, N. Y.-Medit'ra..April 27
Franconia, Boston-Liverpool..May 2

Hamburg American.

Moltke, N. Y.-Mediterranean..April 29
Holland-American.

Columbia, N. Y.-Glasgow....April 22
Ryndam, N. Y.-Rotterdam....April 25

Caledonia, N. Y.-Glasgow....April 29
Potsdam, N. Y.-Rotterdam....May 2

Leyland.

Canadian, Boston-Liverpool..April 26
North German Lloyd.

K. W. Der Gr'e, N. Y.-B'm'n..April 25
Rhein, N. Y.-Bremen.....April 27

Koenig Alb't, N. Y.-Medit'n..April 29
Kr'p'zn Cecile, N. Y.-B'm'n..May 2

Red Star.

Lapland, N. Y.-Antwerp....April 22
Vaderland, N. Y.-Antwerp....April 29

White Star.

Baltic, N. Y.-Liverpool.....April 22
Zeeland, Boston-Liverpool....April 25

Oceanic, N. Y.-Southampton..April 28
Cedric, N. Y.-Liverpool.....April 29

Romanic, N. Y.-Mediterran'n..April 29

Charles Thorley will move on May
1 from his present location on West
28th street to 10 West 28th street,
New York.

Joseph G. Leikens, florist, now at
56th street and Fifth avenue, leased
from John M. Ellis the dwelling No.
20 West 7th street, New York city, on
plot 30x100 feet. The lease will run
for ten years, and will aggregate \$250,-
000.

NEW FLOWER STORES.

Scottdale, Pa.—J. N. Thomas.

Dover, N. H.—C. L. Howe, Washing-
ton street.

Bangor, Me.—J. Martin, Jr., Center
street.

New York, N. Y.—Merritt & Kelley,
2340 Broadway.

Birmingham, Ala.—A. J. Koenig, 318
North 21st street.

Westboro, Mass.—Walter E. Draper
and H. F. Midgley.

Pittsburg, Pa.—A. T. Lorch and F.
H. Hoffmeister, 402 Smithfield street.

Harrisburg, Pa.—J. E. Miller, 19
North 3rd street.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or intrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph & Cable address Dardspier.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO

is elegantly equipped to take care prop-
erty of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

Perfect Goods For Particular Florists

THE FOLLOWING ARE A FEW SUGGESTIONS ONLY

from an immense stock and unprecedented variety that we list

Plant Baskets, Plant Pot Covers, Fern Pot Covers, all sizes and all grades, all descriptions. In any basket ordered from us we can put zinc lining, as we manufacture these ourselves.

Bridal Baskets, Bridal Bouquet Holders, Debutante Bouquet Holders and Paper Bouquet Holders.

Chiffons, all colors and sizes. Waterproof and other exclusive styles. **Wax and Artificial Flowers. Waterproof Paper Pot Covers,** for all size pots, cheap and desirable, in any color. Our No. 3000 Crepe Pot Covers, to fit 3 to 5-inch pot, in all colors, \$1.00 per 100. **Waterproof Crepe Paper in Roll.**

Tin Foil, plain and colored; also a heavy Tin Foil for lining baskets. **Barks,** in all kinds, Birch, Cork and Cedar. **Natural Prepared Ferns,** the greatest variety in the United States. **Sphagnum Moss.**

Artificial Leaves, all styles, white and green. **Metallic Designs,** we are the manufacturers of these goods and can make any design you want. **Magnolia Leaves,** green and brown. **Beech Branches,** prepared, in all colors. **Immortelles,** in all colors.

Wheat Sheaves, our unexcelled brand in flat, standing or open. **Flexible Cycas Leaves.** Don't forget our **Imperial Chinaware,** and **Green Tone Pottery,** in all shapes. When you want real novelties, consult us.

BEAUTIFUL EASTER NOVELTIES NOW ARRIVING

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

Established 1874.

**JOHN V. PHILLIPS
FLORIST**

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y. Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2 Night 44-3

Columbia City, Ind.—The North Side Greenhouses have been purchased by Ben Lipman.

PERSONAL.

Mr. and Mrs. John I. Raynor are sojourning at Oakdale Court, Lakewood, N. J.

Gerhard Bleicken and Miss Beatrice Louise Douglas were married on Tuesday, April 18, at South Framingham, Mass.

M. S. Angleman, formerly employed at the Aitken Greenhouses, Agawam, has taken a position with Higgins, florist, Springfield, Mass.

Prof. Waugh of Amherst, Mass., spent his vacation in Texas. Prof. White, on Monday, the 10th, returned with his family from a two week's vacation trip to the Bermudas.

Boston visitors: R. C. Chamberlain, London, Eng.; D. F. Roy, Marion, Mass.

NEWS NOTES.

Philadelphia, Pa.—A wholesale florist store will be opened by Owen Barry, 14 South 17th street.

Westport, Conn.—Five acres of land on Clinton avenue have been purchased by the Fillow Flower Co.

Forks, N. Y.—Albert E. Wakeman, florist, was injured on April 6th when the horse he was driving ran away.

Dayton, Ohio.—The Furst Floral Co. is the name under which the reorganized business of Joseph W. Furst will be known.

Minneapolis, Minn.—O. R. Eckhardt has withdrawn from the firm of Kusik-Eckhardt Co., his share having been bought by Henry Kusik & Co.

Lawrence, Kans.—The greenhouses of C. M. and S. E. Luther, South Massachusetts street, have been sold to N. N. Kline and R. S. Crandal.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 3-1 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2130-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

FIRE RECORD.

Stockbridge, Mass.—The greenhouse at Ingleside, the estate of J. Woodward Haven, was destroyed by fire on April 13th. The fire started in the potting room. Loss on houses and plants is estimated at \$2,500.

Wilkesbarre, Pa.—For the second time within a few years the greenhouses of A. W. Moore & Co., florists, 252 Park avenue, were destroyed by fire on April 10th. The greater portion of the stock intended for Easter sale was destroyed. Damage about \$3,000.

BEAUTIES

A large supply of exceptional well grown Beauties. So when you buy Beauties from us and get the best quality at a low price, it is not by chance; it is our policy to give extra good value every time.

Our Prices will Interest You

The Leo Niessen Co.

WHOLESALE FLORISTS

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG
WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone, Main 58.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO April 18		TWIN CITIES April 18		PHILA. April 18		BOSTON April 20	
Ara. Beauty, Fancy and Special...	25.00	to 35.00	40.00	to 50.00	25.00	to 30.00	25.00	to 35.00
" Extra	20.00	to 25.00	30.00	to 40.00	.....	to 20.00	15.00	to 20.00
" No. 1	15.00	to 20.00	20.00	to 30.00	.....	to 17.00	10.00	to 12.00
" Lower grades	3.00	to 10.00	10.00	to 20.00	10.00	to 15.00	4.00	to 6.00
Bride, 'Maid, F. & S.	6.00	to 8.00	6.00	to 8.00	8.00	to 10.00	5.00	to 8.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	.....	to 4.00	2.00	to 3.00
Richmond, Chateauf, Fancy & Special	6.00	to 8.00	6.00	to 8.00	15.00	to 25.00	0.00	to 10.00
" Lower grades	3.00	to 5.00	4.00	to 6.00	6.00	to 10.00	2.00	to 5.00
Killarney, My Maryland, Fan. & Spl	6.00	to 8.00	8.00	to 10.00	10.00	to 12.00	4.00	to 8.00
" Low grades	3.00	to 5.00	6.00	to 8.00	4.00	to 6.00	2.00	to 3.00
CARNATIONS, First Quality...	.....	to 3.00	2.00	to 3.00	3.00	to 4.00	1.50	to 2.00
" Ordinary	1.50	to 2.00	1.50	to 2.00	.....	to 2.00	.75	to 1.00
MISCELLANEOUS								
Cattleyas .....	.....	to	50.00	to 60.00	.....	to 60.00	30.00	to 50.00
Lilies, Longiflorum .....	.....	to 10.00	10.00	to 12.50	10.00	to 15.00	5.00	to 8.00
Callas	6.00	to 8.00	10.00	to 15.00	.....	to 15.00	6.00	to 10.00
Lily of the Valley	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets	1.50	to 2.00	1.50	to 2.25	1.50	to 1.00	2.25	to 1.40
Mignonette	3.00	to 5.00	3.00	to 4.00	3.00	to 4.00	2.00	to 6.00
Lilac, per bunch .....	.....	to	1.50	to 1.00	.....	to 1.00	.....	to 1.00
Tulips	2.00	to 3.00	2.00	to 3.00	.....	to 3.00	1.50	to 2.00
Freesia .....	.....	to	1.00	to 2.00	.....	to	1.00	to 1.50
Daffodils	2.00	to 3.00	2.00	to 3.00	.....	to	1.00	to 2.00
Daisies	1.00	to 1.25	1.00	to 1.25	1.00	to 1.50	1.50	to 1.00
Snape dragon .....	.....	to .....	.....	to	8.00	to 12.00	3.00	to 5.00
Sweet Peas .....	.75	to 1.00	.75	to 1.25	1.00	to 1.50	.75	to 1.00
Gardenias	40.00	to 50.00	20.00	to 30.00	12.00	to 25.00	20.00	to 25.00
Adiantum .....	.....	to 1.00	1.00	to 1.25	1.00	to 1.50	1.00	to 1.25
Smilax	12.00	to 15.00	15.00	to 20.00	.....	to 25.00	8.00	to 12.00
Asparagus Plumosus, strings (100)	50.00	to 75.00	50.00	to 75.00	.....	to 50.00	.....	to 50.00
" " & Soren. (100 bchs)	25.00	to 40.00	25.00	to 35.00	.....	to 50.00	.....	to 35.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD
CHICAGO, ILL. FRESH STOCK

Long Distance Phone Randolph 2758 Telegraph, Telephone or We Grow Our Own Flowers. Bring in Your Orders. Roses and Carnations Our Specialty

In writing to Advertisers kindly mention Horticulture



SPECIAL

For Weddings and Church Work

Lilies

For weddings and church work, extra choice Lilies. Long stems, splendid stock in any quantity, \$12.50 per 100.

Valley

Special, per 100, \$4.00. Fancy, per 100, \$3.00.

Some Splendid New Roses

"MELODY," the best yellow rose today. Awarded Silver Medal at the National Flower Show, Boston, 1911.

"DOUBLE PINK KILLARNEY," the Killarney that will supersede the Killarney now grown.

"PRINCE DE BULGARIE," entirely different from any rose grown.

S. S. PENNOCK-MEEHAN CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Av.

Easter Market Reports

BOSTON

About Easter? Oh, yes; judging from the state of the wholesale flower markets in this town the growers must have made a mistake and thought it was Christmas they had to deal with. There was no particular evidence of flowers having been stored up for the occasion—the production was simply far greater than the demand. Carnations sustained the worst shock. Of this staple there were actually wagon loads which could not be moved at \$7.50 per 1000—one-third of the average winter price of such stock. It was indeed a hard blow. As to roses, the best sellers were the 18 to 24-inch stem class. Small roses were a glut. Beauty had only a limited sale. Cut lilies sold unexpectedly slow bringing one-third to one-half less per bloom than those on pot plants. There were quantities of stocks which nobody cared for and daffodils and tulips for which no use could be found. Now we come to the other end of the story. Lily of the valley experienced a splendid demand. Violets were used in enormous quantities but not equal to past years. Sweet peas were the surprise of the season. They seemed to have captured the violets' best stronghold as corsage favorites and their sale was something wonderful. Another surprise was in the smilax demand. It seemed to have recovered its former popularity for church draping and the call could not be met. There is not much to be said about the plant trade. As heretofore—but even more so—the plantsman got the biggest share

WHOLESALE FLOWER MARKETS. — PER 100. TO DEALERS ONLY.

ROSES	CINCINNATI April 18		DETROIT April 10		BUFFALO April 11		PITTSBURG April 18	
Am. Beauty, Fan. and Sp.....	25.00	to 40.00	35.00	to 50.00	40.00	to 50.00	30.00	to 35.00
" Extra.....	10.00	to 20.00	25.00	to 35.00	25.00	to 30.00	20.00	to 25.00
" No. 1.....	4.00	to 6.00	15.00	to 25.00	10.00	to 15.00	12.50	to 15.00
" Lower grades.....	.....	to	6.00	to 12.00	4.00	to 6.00	4.00	to 6.00
Bride, "Maid, F. & S.....	6.00	to 8.00	8.00	to 10.00	8.00	to 12.00	8.00	to 10.00
" Low. gr.....	4.00	to 5.00	4.00	to 8.00	6.00	to 8.00	3.00	to 6.00
Richmond, Chateau, Fancy & Special	6.00	to 8.00	8.00	to 10.00	12.00	to 15.00	6.00	to 10.00
" Lower Grades...	4.00	to 5.00	4.00	to 7.00	5.00	to 10.00	3.00	to 4.00
Killarney, My Maryland, Fan. & Spl.	6.00	to 8.00	8.00	to 10.00	8.00	to 10.00	6.00	to 10.00
" Low. Grades	4.00	to .00	4.00	to 7.00	5.00	to 6.00	3.00	to 4.00
CARNATIONS, First Quality								
" Ordinary .....	.....	to 3.00	3.00	to 4.00	4.00	to 5.00	2.00	to 3.00
MISCELLANEOUS								
Cattleyas.....	.....	to .....	.....	to	50.00	to 60.00	60.00	to 90.00
Lilies, Longiflorum.....	10.00	to 12.00	.....	to 12.50	12.00	to 15.00	8.00	to 10.00
Callas.....	10.00	to 12.00	.....	to 12.50	10.00	to 12.00	6.00	to 8.00
Lily of the Valley.....	.....	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Violets.....	.75	to 1.00	.75	to 1.00	.75	to 1.25	.40	to .50
Mignonette.....	8.00	to 10.00	4.00	to 10.00	.....	to	3.00	to 6.00
Lilac, per bunch.....	.....	to 1.00	.....	to 1.50	.....	to	1.00	to 1.25
Tulips.....	2.00	to 3.00	3.00	to 4.00	2.50	to 3.00	.....	to
Freesia.....	.....	to 3.00	.....	to 3.00	.....	to .....	.....	to
Daffodils.....	2.00	to 3.00	.....	to 3.00	2.50	to 3.00	.....	to
Daisies.....	.....	to .50	.50	to 1.50	1.25	to 1.50	1.00	to 2.00
Snapdragon.....	.....	to 10.00	4.00	to 8.00	5.00	to 6.00	4.00	to 8.00
Sweet Peas.....	.50	to .75	.75	to 1.50	.75	to 1.25	.50	to .75
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax.....	.....	to .....	.....	to 11.50	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	35.00	to 50.00	20.00	to 40.00	40.00	to 60.00	.....	to 60.00
" " & Spren. (100 bchs.)	.....	to 25.00	20.00	to 30.00	35.00	to 50.00	30.00	to 50.00

of the public's money. Azaleas were actually at a premium at the wind-up. Lilies sold well, the only drawback being the excessively short-stemmed ones which were not liked by the buyers. Acacias, hydrangeas, rhododendrons, astilbes and all other Easter staples sold out satisfactorily.

CHICAGO

The history of the Chicago flower market during Easter week was not in any marked degree different from that of other years. There was every indication of plenty of stock along all lines except Beauties, and this held

true to the end of the week. Prices on first class stock held as quoted for Easter, but lower grades dropped towards the latter part of the week, when every one cut and sent into the market every available flower. There was lively discrimination then on quality and poor stuff sold for what it would bring. Everything cleaned up fairly well and made room for rush stock for the last days, and many retailers replenished their supply Saturday and Sunday after they considered trade nearly over. The low price of

(Continued on page 14)

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Successor to
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A Full Line of All CUT FLOWERS.
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Apr. 15 1911		First Half of Week beginning Apr. 17 1911	
American Beauty, Fancy and Special.....	12.00	to 20.00	15.00	to 20.00
" " Extra.....	10.00	to 12.00	10.00	to 12.00
" " No. 1.....	6.00	to 8.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 2.00	2.00	to 3.00
Bride, 'Field, Extra and Special.....	5.00	to 8.00	5.00	to 8.00
" " Lower Grades.....	1.00	to 3.00	1.00	to 3.00
Richmond, Chateau, Extra and Special.....	6.00	to 10.00	6.00	to 10.00
" " Lower Grades.....	1.00	to 4.00	1.00	to 4.00
Killarney, My Maryland, Extra and Special.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	1.00	to 2.00	1.00	to 2.00
Carnations, First Quality.....	1.50	to 3.00	2.00	to 3.00
" " Ordinary.....	1.00	to 1.50	1.00	to 1.50

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Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.



Easter Market Reports

(Continued from page 579)

all flowers compared with that of many former years was in favor of an increased total when sales are footed up and made work easier for the salesman also. All in all, the season that tries the patience and makes a florist wish he was anything else, passed without any serious happenings and the prices pleased the people, and only poor stock, with few exceptions, was left unsold. The retail florists are all pleased with the comparatively low prices for Easter and are not experiencing the sudden cessation of business that usually occurs after a holiday.

Reports concerning CINCINNATI business for Easter vary. Some report business as good and better, while others say it was not quite up to last Easter. Owing to the absence of Beauties the call for Richmond was far in excess of the supply. Killarney and White Killarney were next in line. While the supply was good still a good many more could have been sold. Other roses cleaned up nicely with no orders too large and price very reasonable considering the quality. Good fresh carnations cleaned up at good prices, the call for different colors being evenly balanced. As is usual around a holiday there was a noticeable evidence of pickled stock on the market and these were sold for whatever they would bring. About ten days before Easter the local papers came out with an article stating that according to several of the local growers, lilies would be scarce in this market for the Easter trade. Undoubtedly by this time the boys who were responsible for this item are thoroughly convinced, for never before were there so many lilies to be had as this year. There being only a limited amount of bulbous stock offered it moved to good advantage. Snapdragon, stocks and sweet peas met with a ready sale. Many were the complaints regarding New York double violets, for when exposed to the air they went all to pieces. All green goods were in good supply with the exception of smilax.

Detroit florists are slowly recovering from the biggest Easter trade ever. Work was considerably aggravated by inclement weather Friday and the prevailing tendency of ordering late; in fact, hardly any Easter orders were booked before

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
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383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr 15 1910		First Half of Week beginning Apr. 17 1911	
Cattleyas.....	40.00	to 75.00	35.00	to 75.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 6.00
" Lancifolium.....	2.00	to 5.00	2.00	to 5.00
Lily of the Valley.....	3.00	to 4.00	2.00	to 4.00
Violets.....	.15	to .30	.15	to .30
Mignonette.....	2.00	to 5.00	2.00	to 5.00
Lilac, per bunch.....	.10	to .75	.50	to .75
Tulips.....	1.00	to 2.00	1.00	to 2.00
Roman Hyacinths, Paper Whites.....	1.00	to 1.50	1.00	to 1.50
Daffodils.....	1.00	to 1.50	1.00	to 1.50
Freesia.....	.50	to 1.00	.50	to 1.00
Daisies.....	3.00	to 6.00	3.00	to 6.00
Snapdragon.....	5.00	to 8.00	3.00	to 8.00
Sweet Peas (per 100 bunches).....	15.00	to 25.00	15.00	to 25.00
Gardenias.....	.75	to 1.25	.71	to 1.25
Adiantum.....	10.00	to 12.00	10.00	to 12.00
Smilax.....	20.00	to 30.00	20.00	to 30.00
Asparagus Plumosus, strigs.....	15.00	to 25.00	15.00	to 25.00
" " & Sprea. (100 bchs).....				

Thursday. There was an abundance of stock and everything cleaned up nicely at the same prices as prevailed last year. No particular preference was noticeable, but considering violets one is justified in calling it a cut flower Easter.

NEW YORK The supply of flowers on hand for the Easter trade in this market was something unprecedented. Knowing this in advance and fully realizing how disproportionate the Easter cut flower demand has been in recent years as compared with that for plants, the flower wholesalers, generally, expected a slump. They got it. As to lilies there were untold thousands of them and thousands were left over unsold, although six and eight dollars a hundred would have been a welcome offer. As to roses—everybody seemed to be exactly on crop. Beauties—there seemed to be cords of them and the growers were frantic in their efforts to unload. Nobody thought of asking over \$20 a hundred for the finest specials and lots of such were let go at half that figure. Specials of other varieties of roses could not be moved at \$8.00 per 100. The severity of the break in roses is believed by some to be due largely to the advent of the Killarneys, which produce so much heavier crops than the older favorites and as to the Beauty at the present time it undoubtedly suffers from the presence of an abundant supply of splendid Brunners. Brunner always administers a black eye to the Beauty during its few weeks of prominence. Carnations shared in the general shrinkage and had to bear the unenviable repute of being practically the only line of flowers in which any evidence of "holding back" was seen. Violets cleaned up

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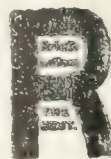
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(Continued on page 614)

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Ageratum Stella Gurney, strong, 2c. C.
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Ageratum, Rooted cuttings, \$5.00 per 1000.
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New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$8.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

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AMPELOPIS VEITCHII, 2 year, 18 to 24 inch tops, \$1.75 per dozen, \$12.00 per 100. Our new trade list of everything you need now ready, mailed on application. Write today.

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Asparagus Sprengeri, strong, thrifty, 2½ and 3-in., 3c and 4c. Cash.
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Asparagus S., 4 inch, at \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ASPARAGUS SPRENGERII, 2½ inch pots, \$2.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

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New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

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Everybody has asked for a Carnation that would live out in the garden during the winter. We have pleasure in offering this new plant, as it will fill the bill. It is absolutely hardy, standing even the Canadian winters in the yard. It blooms all summer long; never a day that you cannot cut blossoms. By potting up in the fall you can have flowers in the house all winter. The color is a rich crimson, the fragrance is delicious. We know of no plant that the florists can offer to their patrons that will give as much satisfaction as the Hardy Carnation Crimson King. Per dozen, \$1.25; per 100, \$8.00; per 1000, \$75.00. Twenty-five plants sold at hundred rates; 250 plants at thousand rates.

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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums; rooted cuttings, Robert Halliday, Golden Glow, Ivory, Minnie Bailey, J. Jones, Rosiere, Polly Rose. \$10.00 per 1000. Cash please. Hilpert & Hammen, Belair Road, Baltimore, Md.

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Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Cinerarias, Columbian. Strong 2½-in., \$2.50; 3-in., \$3.50, 100. Wm. Dethlefs, Mitchell, S. Dak.

CLEMATIS

CLEMATIS PANICULATA GRANDIFLORA, strong, one-year field grown, \$6.50 per 100, \$60.00 per 1000.

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10,000 Clematis paniculata seedlings (I grow my own seed), \$7.50 per 1000. Clematis paniculata, out of 2-in. pots, \$20.00 per 1000. Cash with order.
S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

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Cobaeas, 4 inch, at \$10.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

DAHLIAS—Continued

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

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Dahlia Bulbs for retail trade, \$3 per 100, \$25 per 1000. Each bulb labeled with name, variety and color; 100 lots will contain 5 each of 20 varieties, including Cactus, Show, Decorative, etc.
C. Peirce, Dighton, Mass.

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Marguerites, white. Nice 2½-in. stock, ready for 4-in., \$3.00 per 100.
Wm. Eschrich Co., North Milwaukee, Wis.

Daisies, Marguerites, 4 and 4½-in., nicely budded, \$10.00 per 100. Cash.
John Fuhlbruegge, Winona, Minn.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena indivisa, 4 in., \$8.00; 5 in., \$18.00 and \$20.00; 6 in., \$25.00 and \$30.00 per 100. C. H. Jacobs, Westfield, Mass.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

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New England Nurseries, Bedford, Mass.

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H. H. Barrows & Son, Whitman, Mass.

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John Scott, Brooklyn, N. Y.

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Frank Ochslin, 4911 Quincy Street,

Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.

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F. B. Pierson Co., Tarrytown-on-Hudson,

N. Y.

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Thomas Roland, Nahant, Mass.

Boston and Scotti Ferns.

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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.

3000 Boston and Pierson ferns, choice plants, 6 inch, 25c.; young stock. Boston, Whitman, Scotti and Pierson, 2½ inch, \$3.50 per 100; 3 inch, \$5.00 per 100. Cash.
A. G. Lake, Wellesley Hills, Mass.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

FERNS—Continued

Fine stock from 2½ inch pots, ready now. NEPHROLEPIS ROOSEVELT (the Fountain Fern).

(New). See display advertisement in the April 8 issue of HORTICULTURE. The grandest of all ferns. We book your order now for June 1st delivery. \$3.50 per dozen, \$25.00 per hundred, \$200.00 per thousand.

NEPHROLEPIS BOSTONIENSIS (the Boston Fern), \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS DAVALLOIDES FURCANS (the Fish Tail Fern), \$4.00 per 100.

NEPHROLEPIS GOODII (the Baby's Breath Fern), an improved Amerpohlii. \$1.00 per dozen, \$7.00 per hundred.

NEPHROLEPIS SCOTTII (the Newport Fern), \$4.00 per hundred.

NEPHROLEPIS SPRINGFIELDII (the Springfield Fern), upright fern for vases, \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS SUPERBISSIMA (the Fluffy Ruffles Fern) (New), \$1.00 per dozen, \$6.00 per hundred.

NEPHROLEPIS WHITMANII (the Ostrich Plume Fern), \$3.50 per 100.

NEPHROLEPIS HARRISII (the Harris Fern), a sport from Boston of stiff, upright growing habit, \$4.00 per 100, \$35.00 per 1000.

For larger size ferns write for prices. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS.

Boston Florist Letter Co., 65 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

FLORISTS SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.

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In writing to Advertisers kindly mention Horticulture

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.

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GERANIUMS

E. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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Geraniums. Mme. Sallerol, 2½-in., strong cool grown plants, \$2.00 per 100; special price on 1000.

J. L. Stone, Trumansburg, N. Y.

Geranium Mme. Sallerol, strong, cool grown, heavy stock, ready immediate shift; few thousand left, must go, \$2.00 100, special price 1000. Cash or good reference. Satisfaction guaranteed. Round Lake Greenhouse, East Lenox, Pa.

GLADIOLI

Gladiolus Bulbs. Groff's Hybrids, white and light, pink and shades of pink; 1st size, \$7 per 1000; 2nd size, \$4 per 1000. Blue bellotrope and lavender mixture, \$10 per 1000, 1st prize; 250 at 1000 rates.

C. Peirce, Dighton, Mass.

Send for our list of choice gladioli and dahlias. Cushman Gladiolus Co., Sylvania, O.

GLASS

Boston Plate & Window Glass Co., Boston.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

Glass, High Grade, Double Thick Greenhouse Glass. Lord & Burnham Co., 1133 Broadway, N. Y.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquariums, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y.

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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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Lord & Burnham Co.,

1133 Broadway, New York.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GLAZING POINTS, Lord & Burnham Co., 1133 Broadway, N. Y. Special Glazing Nails (Points).

GLOXINIAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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GREENHOUSE CONSTRUCTION

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King Construction Co., N. Tonawanda, N. Y.

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Lord & Burnham,

1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York.

Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

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GREENHOUSE CONSTRUCTION, Semi-Iron Greenhouse, New Truss Houses and Iron Frame Houses. Lord & Burnham Co., 1133 Broadway, N. Y.

GUTTERS

GUTTERS, Cast Iron Gutters, L. & B. Improved V Shape Gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

King Construction Co., N. Tonawanda, N. Y.

King Channel Gutters.

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HAIL INSURANCE

Florists' Hall Asso. of America.

J. G. Esler, Saddle River, N. J.

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HARDY DELPHINIUMS

Henry A. Dreer, Inc., Philadelphia, Pa.

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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.

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Michigan Cut Flower Exchange,

28 and 40 Broadway, Detroit, Mich.

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The Kervan Co., New York.

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HEARTLEY'S MOLE TRAP

George W. Heartley, Toledo, Ohio.

HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.

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Lord & Burnham Co.,

1133 Broadway, New York.

HELIOTROPES.

Heliotrope, dark blue, 2½ in., \$2.00 per 100; 3¼ in., \$6.00. Very bushy rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwkerk, P. O. No. 1, Hoboken, N. J.

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New England Nurseries, Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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HOLLYHOCKS

George F. Kimbel, Flourtown, Pa.

Hollyhocks. Double field grown, large blooming size. Separate colors: Red, white, pink, yellow, maroon, bronze and black; also Allegheny strain in mixed colors. All at \$3.00 per 100; \$25.00 per 1000. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-RED SASH

A. T. Stearns Lumber Co., Neponset, Mass.

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEA

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA (Hills of Snow) (New), 2-year-old field grown, 3 to 5 canes, \$2.00 per dozen, \$12.00 per hundred.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

INSECTICIDES.

Eastern Chemical Co., Boston, Mass.

Imp. Soap Spray.

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Nicotinic kills all greenhouse pests.

P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Kilmdead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.

Aphine.

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To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.

Tobacco Powder.

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GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IVIES

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

HARDY ENGLISH IVY.

3 plants out of 3-in. pots, 12 to 16 in. long, \$5.00 per 100. Cash with order. S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

WANTED Several thousand English Ivies, 4-in. pot plants or field-grown plants. Give price per 1000. Wm. Plumb, South Natick, Mass.

JAPAN MAPLE

Japan Maple in leaf, 6 inch, \$1.00 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.

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Bobbink & Atkins, Rutherford, N. J.

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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.

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LANTANAS

Lantana St. Louis, 2½-in. pots, \$2.50 per 100. Cash with order or satisfactory references.

John Boehner, 18 Obell Ct., Dayton, Ohio.

LILIU MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.

Horse Shoe Brand.

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LILY OF THE VALLEY CLUMPS

Wm. Elliott & Sons, New York.

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Lily of the Valley Clumps, \$6.00 per 100. Julius Roehrs Co., Rutherford, N. J.

MASTICA

F. O. Pierce Co., New York, N. Y.

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MOON VINES

IPOMEA MAXIMA, the giant flowering, flowers twice the size of the old variety. Order now as there are never enough moonvines to go around. 2½ inch pots, \$4.00 per 100; the old variety, \$3.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

NICO-FUME

Kentucky Tobacco Product Co.,

Louisville, Ky.

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Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

B. Ouwerkerk, Weehawken Heights, N. J.
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New England Nurseries, Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobblink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, Inc.
West Newbury, Mass.
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Bay State Nurseries, North Abington, Mass.

Hardy, Northern Grower Stock.
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Eastern Nurseries, Jamaica Plain, Mass.
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McHutchison & Co., New York, N. Y.
Direct Importations.
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125,000 Shrubs. Send for price list. The
Conard & Jones Co., West Grove, Pa.

TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00, by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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S. D. Woodruff & Sons, New York, N. Y.
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Yellow onion sets, small, sound and
bright, only 85c. per bu., bags free. Mc-
Adams Seed Co., Columbus Grove, Ohio.

Choice, sound, unsprouted onion sets.
Yellow, \$1.20; red, \$1.25; white, \$1.60 per
32 lb. bushel. Sacks included. Stuls Seed
Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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Ordones Bros., Madison, N. J., Box 105.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams. 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

Wanted To buy orchids, established or
unestablished plants, any quantity for cash.
E. L. N., 486 Broad St., Providence, R. I.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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PAINT AND PUTTY

PAINT AND PUTTY: Ideal Greenhouse
Lead; Special Greenhouse Putty. Lord &
Burnham Co., 1133 Broadway, N. Y.

PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25,
post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies,
\$3.50 per 1000; 100 prepaid, 50c. Chas.
Frost, Kenilworth, N. J.

Pansy plants, Coburn's strain, finest
mixed, from cold frame, 60c per 100, post-
paid. Cash.

Fred E. Hollard, Highland, Ill.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock.
List ready. C. Betscher, Canal Dover, O.

Write for our special price list on
peonies. We have all the good ones. Our
new trade list of everything you need now
ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PHLOX

Surplus stock. Phlox, all colors mixed,
cheap. Also gladiolus bulbs. Write for
prices.

E. T. Flanagan & Sons, Belleville, Ill.

We offer fifty thousand hardy phlox in
10 leading varieties, all colors, field
grown plants, \$3.00 per hundred, \$27.50
per thousand. Our new trade list of
everything you need now ready. Mailed
on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PIPE AND FITTINGS

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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
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PIPE AND FITTINGS. Cast iron and
Wrought Pipe, Valves, Elbows, Pipe Hooks,
Automatic Air Headers, etc. Lord & Burn-
ham, 1133 Broadway, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PRIVET

50,000 2-year California privet, cut back
once and well branched, 1 to 2 ft., \$12.00
per 1000; 2 to 3 ft., \$15.00 per 1000.
Chas. L. Smith, Penns Grove, N. J.

200,000 California Privet, due 2-year-old
stock, No. 1, 18 to 24 in., \$13.00 per 1000;
24 to 30 in., \$18.00 per 1000; 2½ to 3 ft.,
\$22.00 per 1000; 3½ to 4 ft., 3-year-old,
\$30.00 per 1000. 100 rates, \$1.75, \$2.25, \$2.75,
\$4.00, up to 250. Clematis Punctulata XXX,
fine 2-year-old vines, \$9.00 per 100. Am-
pelopsis veitchii, extra fine 2-year-old vines,
2½ to 4 ft., \$9.00 per 100, and fine
1-year-old vines, 2 to 3 ft., \$4.00 per 100.
All field grown and packed free for cash.
Benjamin Connell, Florist, Merchantville,
N. J.

California privet, 3 to 5 branches, 12 to
18 in., \$7.00 per 1000; 18 to 24 in., \$9.00
per 1000; 2 to 3 ft., \$12.00 per 1000. 5 to
8 branches, 18 to 24 in., \$12.00 per 1000;
2 to 2½ ft., \$15.00 per 1000; 2½ to 3 ft.,
\$20.00 per 1000; 3 to 4 ft., \$25.00 per 1000;
8 to 12 in., for lining out, \$4.00 per 1000.
F. O. B. Cash with order. 250 at 1000
rate. Southside Nurseries, Chester, Va.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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Bobblink & Atkins, Rutherford, N. J.
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The Shatemuc Rose.

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A. N. Pierson, Inc., Cromwell, Conn.
Roses for 1911.

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Bassett & Washburn, Chicago, Ill.
Grafted Rose Plants.

Wm. Tricker, Arlington, N. J.

50,000 Roses, assorted. Send for price
list. The Conard & Jones Co., West Grove,
Pa.

Wanted—Rose plants of any kind. Mel-
rose Garden Co., 90 Melrose St., Provi-
dence, R. I.

SALVIA

Salvias, 2 inch, at \$20.00 per thousand.
The Geo. Witthold Co.'s Edgebrook Green-
houses and Nurseries, Edgebrook, Chicago,
Ill.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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In writing to Advertisers kindly mention Horticulture

SEED GROWERS

- Braslan Seed Growers Co., San Jose, Cal.
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- Miami Valley Seed Co., New Carlisle, Ohio.
- S. D. Woodruff & Sons, New York, N. Y.
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SEEDS

ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.

PETER MACK, ORLANDO, FLA.

T. J. Grey Co., 32 So. Market St., Boston.
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Joseph Breck & Sons,
51 and 52 N. Market St., Boston, Mass.
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R. & J. Farquhar & Co., Boston, Mass.
Flower Seeds for the Florist.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
Asparagus Plumosus Nanus Seeds.
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Leonard Seed Co., Chicago, Ill.
Beans, Peas, Sweet Corn, Onion, Turnip.
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Wm. Elliott & Sons, New York.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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SNAPDRAGONS

Snapdragon Walke Seedling, pink, first prize National Show. Rooted cuttings, \$2.00 per 100. Cash. Ready in May.
Loring Ave. Conservatories, Salem, Mass.

SPIREA

Spirea Gladstone in bud; nice plants, \$4.00 per dozen; Easter prices, in bloom \$6.00 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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STRAWBERRY PLANTS

Strawberry Plants—35 varieties, \$2.50 per 1000. H. H. Benning, Clyde, N. Y.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Booking orders for tomatoes in 2-in., \$1.00 per 100; 2½-in., \$1.50 per 100; 3-in., \$2.00 per 100. Also other vegetables and bedding plants. Guaranteed all satisfactory.
H. Klahr, Scholarie, N. Y.

VENTILATING APPARATUS

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VENTILATING MACHINERY. New Model encased, self-oiling gear; Standard Model Open Gear. Lord & Burnham, 1133 Broadway, N. Y.

VINCAS

Vinea variegata, 2 inch, 2 cts.; rooted cuttings, \$1.00 per 100. Russell Bros., R. 4, Syracuse, N. Y.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gillmet, Moylan, Del. Co., Pa.

WATER WORKS SUPPLIES

The Baltimore Coöperage Co., Baltimore, Md.

WILLOWS

2000 Willow, fine clean stock. 500 Laurel Leaved, 8 to 10 ft., \$20.00 per 100. 100 Golden Barked Willow, 6 to 8 ft., \$12.00 per 100. 1400 Laurel Leaved, 2 to 3 ft. bushes, \$8.00 per 100. Cash with order. Jesse Pierce, Beverly Farms, Mass.

WIREWORK

Reed & Keiser, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

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Easter Market Reports

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fairly well. Lily of the valley took a wonderful sprint; everybody wanted it. Orchids were in insufficient supply and brought stiff prices. Among the things that deserved a big sale but were badly turned down were the lancifolium lilies of which there was a good supply of lovely blooms of the magnificum and Melpomene type. The retail dealers gave little attention to the cut flower end of their business until Saturday night and then they bought only as required for immediate use. The plant business kept them hustling and everything was well cleaned up in most stores. The most noticeable increase seemed to be in the way of Rambler roses, in many varieties, which, with lilies and azaleas, had the lion's share of public favor. The lilies suffered on account of the prevalent short stems, many being only a few inches in height. Genistas, formerly a leading feature, were only occasionally seen. Plants, as a rule, were dressed with taste and an improvement in the arrangement of basket and jardiniere groups was noted. The prevailing opinion among wholesale and retail dealers is that there was as much money spent in New York this year as at any previous Easter for both flowers and plants but it took a considerably larger amount of goods in both cases to make up the amount, because of lower values all through the list.

Easter week

PHILADELPHIA passed off satisfactorily to all

concerned in the wholesale cut flower markets of Philadelphia. A big business was done and it would have been even better except for the rainy Friday and part of Saturday. But when the sun came out at noon Saturday, presto, what a business there was—outdoors and indoors! That one little glint of sunshine made all the difference in the world, and turned gloom into glory and doughnuts into dollars. There was for the week an enormous volume of business (according to all accounts, considerably larger than last Easter) with plenty of everything. There was no scarcity in any line, and in one line in particular—the carnation—there was too much. The carnation growers "got it in the neck," as they richly deserved, for holding back and over-loading the market with "bum" stock, when it was not wanted. Not only did the salted stock fail of a market, but its mere presence and potentiality pulled down the price of first class stock, not only in carnations but good stock in other lines. There never was such a lily of the valley market in our history. Everything went and it was all good stock, too. There never was such a good sweet pea market in our history. Fortunately these two items were at their best and gave satisfaction to all purchasers. These were the two bright and particular spots in the whole situation, and curiously enough, the conditions seemed to take the old timers by surprise. Things had never got that way before in their experience. Heretofore the violets were the thing. As for orchids,

they thought they had too many—but by the wind-up everything in that connection melted away. If the growers had sized things up better, in advance, for this market, better prices could have been got. Roses were plentiful; no shortage except on Richmond and Liberty. In the American Beauty class a good many more might have been sold in the medium grades, but specials and shorts were the order; nothing else in sight.

The Easter trade with
ST. LOUIS the St. Louis florists

was phenomenally large in the sale of plants and in cut flowers it was as large as in any of the previous years. But it does seem as though blooming plants are crowding out the cut flowers at Easter time. Lilies, of course, were the leaders and there were plenty of them. A nice line of Dutch bulb plants were seen and they say they sold well, as did also azaleas and hydrangeas. Most of the West End show houses were covered with burlap and owing to the broken glass from the hail storm a good deal of their stock was damaged, but was soon replaced from local growers. The down-town florists who do not carry so many plants made a fine show of cut stock and say they had a great business. Fortunately the weather was with us and it was lucky for the open-top houses.

The wholesalers had an immense stock of almost everything and at reasonable prices were not near as what the retailer expected to have to pay. Top prices realized for the finest grades were about as follows: American Beauty \$40 to \$50; other roses \$8; lilies \$15; sweet peas \$1; carnations \$5; violets \$1; lily of the valley \$4; hyacinths and tulips \$3. Anything short of highest grade went far below the above quoted figures.

The Easter trade here
SYRACUSE was the largest ever;

stock was very plentiful and good and no advance in prices on pot stuff which was preferred to cut flowers. The most noticeable feature was the largely increased sale of pot roses, Ramblers, and H. P's. Every dealer was practically cleaned out of them while bulb stock hung fire, especially daffodils and tulips, of which large quantities remain unsold. Lilies were in good demand, but the supply was greater. Azaleas sold well, especially the smaller priced ones, those at \$1 to \$2 each being much sought for. Prettily arranged baskets of pansies and ferns, hyacinths and ferns, as well as the larger ones with roses and lilies sold remarkably well. In cut flowers, violets had the call; in roses, Richmond led. There were no special novelties. The trade was much cut up, by fruit stands, department stores and groceries. A great many hyacinths were given away as premiums by rival tea stores.

Providence, R. I. reports a very fine Easter trade, many of the florists declaring that it exceeded by a substantial sum the record of any previous year.

Atlanta, Ga.—W. A. Hollingsworth, florist, has moved to the corner of Houston and North Pryor streets from his former location at 89 Peachtree street.

CONNECTICUT HORTICULTURAL SOCIETY.

Our society has for several years desired to hold an exhibition of bulbous flowers, just before Easter, and this year we made a good beginning. At the meeting of April 11th, the special feature was a fine display of tulips, narcissus, daffodils, Easter lilies, Dutch hyacinths, etc., mostly by Howard A. Pinney, from the greenhouse plant of John Coombs, of which Mr. Pinney is one of the foremen. He won a diploma, and Alfred Cebelius a certificate of merit for three splendid plants of *Calceolaria hybrida*. William H. MacKenzie, of the Sessions greenhouses at Bristol, also was awarded a certificate of merit for his exhibition of sweet peas, narcissus and tulips.

Mr. Pinney gave a talk on the culture of the various bulbous plants, bringing out many facts of value to greenhouse men. The judges for the evening were J. A. Weber of Hartford, George B. Baker of New Britain, and W. H. Shumway of Berlin.

Of great interest was the report of various members concerning the National Flower Show at Boston. James M. Adams, President Huss, J. A. Weber, John Gerard and W. H. Shumway, all described in glowing terms the features of that wonderful exhibition that most appealed to them.

During the last month, we have lost one of our oldest and most estimable members, Mrs. Maria L. Barnes, who was a life member, and Wm. W. Myers, of Hartford, an amateur horticulturist.

On the 28th instant, our schedule calls for "Hardy Primula Night," with a paper by President Huss on Alpine plants. The lateness of the season may prevent the schedule being followed.

GEORGE W. SMITH, Sec.
Melrose, Conn.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The next monthly meeting of the club will be held at Horticultural Hall, Boston, on Tuesday evening, April 25, 1911. The hall being rented on April 18, a postponement was necessary. B. Hammond Tracy of Wenham, Mass., will lecture on the Gladiolus and its culture. The reports of the committee on the S. A. F. National Show entertainment will be given and should prove interesting. There will be some fine exhibits and something to please and enthuse everyone who attends.

W. N. CRAIG,
Secretary.

DURING RECESS.

New York Bowlers.

The New York Florists' Bowling Club meets every Friday evening at Thumm's Alleys, 31st street and Broadway. Contests for the team membership to represent New York at Baltimore next August will begin May 6. Matches with Tuxedo, Madison, N. J., and other clubs are being arranged for.

Cincinnati Bowlers.

The following were the scores bowled Monday, April 17th:

Schubbruch, 178	247	L. Fritz, 151	155
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HELP WANTED—An experienced plant grower to work under foreman; send references and wages expected to Thomas Roland, Nahant, Mass.

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FOR SALE

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989,341. Plant Protector. Napoleon B. Dixon, Andalusia, Ala.
989,348. Feed-Regulating Device for Seed Planting Machines. William D. Haines, Had-donfield, N. J.
989,388. Shrub and Plant Trimming Machines. George F. Mitchell, Summerville, S. C.

New York, N. Y.—On May 1st, J. J. Fellouris will move to 116 West 28th street.

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FOR SALE

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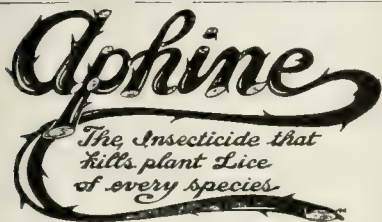
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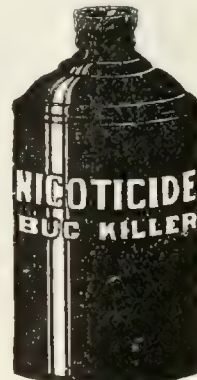
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HORTICULTURE

Vol. XIII.

APRIL 29, 1911

No. 17



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Fruits and Vegetables Under Glass

DISBUDDING PEACHES AND NECTARINES

Varying methods are used in disbudding peach and nectarine trees grown on a trellis. Since it is necessary to remove so many growth buds some system must be practised to secure a uniform and symmetrically shaped tree. Some men tell us to leave growths on both sides of the shoot; some advocate the bottom, others again say the top side only. I am one of the latter and my reasons are forthcoming. After the fruit is set trees should be gone over three or four times at intervals of a few days. The first time remove all breastwood; second time over, remove half the buds which are to come off and finish later. Now, if buds are left on both sides, it often makes a complicated job of pruning. The old growth in the center wants removing and you have two to take its place and where it comes to going back to take a large piece of old wood out you leave a big gap which is hard to fill. If one side methods had been used probably less would have to come out at once and is more readily filled in because that which is left is drawn down into its place. By leaving your growths on the top of the shoot you are continually building the tree up, and the center can be kept open. It is claimed by some that growth left on the under side grows weaker and throws more flower bud. Possible—but if this is used you have to use the other side so much to build up a tree that it amounts to using both sides. Given plenty of room there will be no lack of flower bud on any growth and to secure the best shaped tree by the simplest method growth should be left on the top side as much as possible. There are always a few exceptions, especially at the base of older trees when it would be a folly to stick to this hard and fast rule.

CROPPING PEACH TREES

What should constitute a crop for a peach or nectarine has often been asked. Much depends on what you are going for—quantity or quality. Should it be a combination of both or—to be more exact “the happy medium”? I would say one fruit to every square foot of trellis covered by the tree. This may not seem much, but if evenly distributed will show up well and finish first-class fruit. To obtain the best finish to a peach or nectarine, they should be propped up by placing a piece of smooth lath behind the fruit and in front of the trellis. This brings them up to the light and sun, which puts the color into them. The second swelling can have advanced three or four weeks when this is done. Take care to sprinkle a light shade on the glass with a hand syringe for a few days after this is done or the sun may mark a few which were hidden away under the foliage. Use whitening or something which will soon wear off, as it is only required for a few days. If not off then it must be gradually taken off.

SUCCESSION HOUSES

Those which have been thinned should have a little manure sprinkled on the border during watering. It is

better to go over them once with the hose and then apply the manure and water it in. By so doing the manure is not washed through to the drainage. A light top dressing of half decayed cow manure spread loosely over the border will be found a great advantage to established vines and also peach and nectarine trees which are swelling a crop. This will serve as a mulch, which is needed through the hot weather and also furnish food substances for the roots. Notice that I say *half decayed* cow manure. This must be so, as green manure would contain too much ammonia and in one night probably half the foliage would be burnt off the vines, as though a fire had hit them. If it is difficult to get the manure in the required stage, get the green stuff and spread it in the sun for a few days, which will dry it and allow some of the gases to escape. The house should never be closed up for a few days after applying this. Leave a crack of air on night and day to allow some of the remaining gases to escape. Peach trees are not so easily burnt as vines; the manure should be applied immediately after stoning and any weak growing varieties or weak trees which may be showing the result of a heavy crop last year can be given enough to cover the root balls soon after going out of flower.

POT VINES

Pot vines will now be coloring and feeding should be gradually withheld. Do not let them become at all dry at the roots. Less moisture will be needed in the house as the fruit nears ripening, especially at night time. Any watering or damping that is needed should be done early enough to let the house dry up before night. Until the fruit is ripe they will need the floors, etc., dampened two or three times daily, during the early and hottest part of the day, but when the crop is ripe and being used, one damping at mid-day is sufficient. A light shading on the glass will help the berries to retain their color and flavor; this can be put on before they finish if the foliage is lacking in giving the bunches a little shade. When grapes are nearly finished and ripe it is essential that a little heat be kept in the pipes in all dull and damp weather to cause a circulation of air and prevent the moisture from condensing on the berries. Fruit should be cut in the early morning before the sun has been on them long and placed in a cool cellar or ice box.

MADRESFIELD COURT GRAPES

This is one of the finest black muscats we have in cultivation and has some peculiar characteristics not to be found in any other grape. It takes its name from where it was originated—Madresfield Court, Worcester-shire, England, the Earl of Beauchamp's country place. Barron gives its parentage as Muscat of Alexandria and Black Morocco. We trace the former in shape of berry and bunch and flavor—the latter in color and mode of growth. Following its Muscat parent it likes plenty of air and goes even further to demand more. It is wonderful how even each bunch will come. Throughout a house the bunches will not vary half a pound. Its chief fault is a liability to crack the berries when near finishing. This can be obviated by letting some of the

top laterals grow and careful watering. Do not let the border get dust-dry and then suddenly soak it. As coloring commences cover the border over with clear straw to help retain the moisture; keep a steady temperature and a crack of air on right along. This will be found a good acquisition to grow as an early or second early grape. Its freeness makes it worthy to be bracketed with Black Hamburg, if the other difficulties can be overcome. The same flavor is not found in any other variety.

CUCUMBERS

From now on cucumbers will need a light shade on the glass, as a growth will be made faster. Pinch a little harder and make the beds firmer. Cucumbers are best cut in the early morning and plunged in cold water in a cool cellar or ice box for a few hours before shipping.

OUTSIDE MELONS AND SWEET CORN

Two or three weeks can be gained on outside melons by making a sowing inside in pots and planting them out on the hills as soon as warm enough, which probably would be the day of making the first sowing otherwise. Allow about three weeks from date of sowing until time of planting out. A quantity of seed can be sown in a seven or eight-inch pan and potted off into threes and when rooted through shift on into sixes. This will give a good-sized plant at time of planting. Grow as cool as possible, which will harden them to the outside conditions they may meet when going out.

The same is applicable to sweet corn; insert five or six seeds in a six-inch pot which has been filled loosely with good soil and give a temperature of 60 degrees. Reduce the number of plants to four, should all come, and gradually harden off. It is very injurious for the plants to become root bound in these pots, so gauge the time of planting out as near as possible. Allow the plants about three weeks in the pots.

George H. Penson

Mr. Penson's next notes will be on the following: Canker of Melons; Muscat Vines in Flower; Packing Peaches; Ice Boxes.

Laelia Gouldiana

(See Cover Illustration.)

This beautiful and brilliantly colored *Laelia* flowers in the middle of the winter with 18 to 24-inch long spikes, carrying from three to seven large flowers of a beautiful crimson purple color, with a velvety hue. The flowers sometimes exceed 4 inches in diameter.

The form and the intense color of the petals and sepals are superior to all other *Laelias* known. The lip is divided into three lobes, the middle one being purplish crimson of a very dark shade, and having a golden fleshy crest in the center. In fact this *Laelia* is the most beautiful in existence. Its fine robust foliage is about a foot long, and born in pairs on the round spindle-shaped slightly corrugated bulbs.

The rich coloring of this noble orchid is of dazzling effect. Our collector who found these plants in flower, writes that the sight was marvelous. The contrast with the flowers of the white *Laelia anceps* was really fairy-like.

ED. ROEHRS.

Seasonable Notes on Culture of Florists' Stock

CAMPANULAS FOR NEXT EASTER

If you want nice, large plants by next fall, it is not too early to sow some of *Campanula Medium*, or its sub-variety *calycanthema* (cup and saucer). The seed may be sown in a cold frame where the soil has been made rich, fine and mellow. Draw shallow rows across the surface of the frames, three to four inches apart, and sow the seed evenly, but not too thickly; cover with fine soil and press it all over with a board, then water gently with a fine rose. Shade with cheese cloth until the over-drying sunshine passes, when it can be taken off. This is an excellent way to do with all seedlings until germination appears as it is a great preservative of the moisture. When the seedlings come up give them full light and sunshine and when they are two or three inches in height they can be potted into 2½-inch pots. When they have filled these pots with roots they can be planted out in the open ground about 18 inches apart, and with good cultivation they will make large clumps by October, when they can be dug up and potted.

POMPON CHRYSANTHEMUMS

Those who lifted a batch of pompons last fall and stored them in frames during the winter will have good stock to propagate from now. Florists should grow quite a few of these, for they come in handy. They are sufficiently hardy to be recommended to any customer as a profuse autumn-flowering perennial. They can be grown either in the open ground and dug up and potted early in September or grown under continuous pot culture. To be really at their best they should be allowed to come into flower under glass. In order to grow fine sprays, especially the taller varieties, they should be grown on a bench in a well ventilated house from start to finish. This is a good time to plant a border from divided plants or from cuttings, as these will give you fine material to cut from.

AZALEAS

Plants that were left over should be attended to at once before the new growth has made much advancement. Some of them will probably need repotting. Use a compost of equal parts of fibrous loam, peat, leaf mould, with addition of some clean sand. Give the roots a careful examination before potting to see if the ball is dry, and, if so, stand them in a tub of water until they are wet through and then let them drain before you pot them. After potting they should be kept a little close for a couple of weeks and syringed regularly every day. In the case of plants that don't need potting, that have flowered with perfect and uniform development of bud, just clean them of any faded flowers, and if out of balance prune them into shape. Place them on their sides and give them a hard syringing so as to strike the under side of branches and foliage and give them a cold frame and gradually harden them off previous to putting outside. They are better to be

plunged and grown under lath frames during the summer.

COMPOST

It is time now to prepare compost for all cut flower stock. Those who had their sod piled up last fall and exposed to severe freezing should have soil of a fine friable nature by this time. The preparation of all compost should be done in a thorough going manner. To be right it should be turned several times before it is used. For all such crops as roses, carnations and chrysanthemums, there is plenty of time during May or June to have it in good shape for these crops. A turning over during May will suffice to render it in good condition for nearly all bench crops. If manure was added to it last fall in the proportion of one load of manure to three loads of sod, it will have changed the proportion by this time to one fifth by the gradual decomposition that takes place with the manure. So all such soil would be better to have a load or two of barnyard manure added to every four of soil during these turnings, but the application of additional fertilizing matter should be deferred until later in the form of mulches or liquid stimulants, as the plants may actually require it.

HYDRANGEAS

These plants are very useful and fast selling around Memorial Day. Plants intended for that date should have their flower heads well forward by this time, and by the 10th of May should show their color well. If any are backward they can be forced by applying a temperature anywhere from 60 to 65 degrees at night. Give them frequent sprayings overhead, and grant plenty of room for each plant if you want nice specimens. From now on until the trusses show good color give them manure water two or three times a week, and be sure to give them needful quantities of clear water so that they may not receive any check. For the last ten days in May give them a cooler temperature in a well ventilated house, which will give intensity of color in the bloom and a deeper color of the foliage. Put in a batch of cuttings now for next year and grow on.

FERNS

At this season all ferns require shade in a greater or less degree, but if the shade is too heavy, in many cases it will spoil the fronds by producing a weakly growth. Just apply enough of shade to prevent the strong sun from burning or taking the color from the fronds. Now when there is not so much fire heat needed, the atmosphere of the house naturally becomes charged with moisture, so it is important to give more air during the day, and later to keep air on both night and day in order to prevent condensation, especially dangerous to the younger and more tender ones. Where it is intended to grow large specimens they should be kept moving as fast as possible now. Most of this class of ferns can be materially assisted by the careful use of liquid manure, but the pots should be well filled with roots before applying any stimulants. From now on sow successional batches of spores, as it takes from 6 to 8 months from the time of sowing to give useful sized plants. All the soil used for sowing spores should be sterilized so as to kill any weeds or fungi. Use pans and fill half full of good drainage material. Then fill the pans to within half an inch of the rim with a sifted mixture of soil, leaf mold, peat and sand in equal proportions. Give these pans a good watering and allow them sufficient time to drain, then sow the spores thinly over the surface and plunge up to the rim in a propagating frame where there is a temperature of at least

65 degrees night, and see that they are protected from the sun. Seedlings should be pricked out in small clumps when they show signs of making a leaf.

POINSETTIAS

It is time now that we began to think of poinsettias for next holidays. Remove all stock plants to a well-lighted bench where there is a temperature of about 65 degrees at night. When cutting in, you can use the old-wood cuttings by placing in a warm frame and keeping the temperature from 65 to 70 degrees and in about 3 or 4 weeks they will be rooted. Pot them into 3-inch pots, using a good loam to which has been added one-fourth of rotten manure. To prevent flagging see that they are shaded from the sun. These will need several shifts during the summer. The best stock is those taken from the new growth of old plants; they produce the largest heads of bracts. When taking these cuttings off leave one eye, so that you will have another batch of cuttings later on. See that the sand is kept wet and spray them twice a day, and in about three or four weeks they will be rooted. Lift and pot into either 2½ or 3-inch pots. Keep moist and shaded until they take hold of the soil, when they can be given the fullest sunshine.

SMILAX

The beds that were cut down for the Easter trade will begin to show new growth now and will be greatly benefited by a top dressing of about an inch of cow manure and loam in equal parts with a sprinkling of bone dust, as they are very strong feeders, and give them abundance of water at the roots with a good syringing twice a day. As the plants throw up their shoots be sure to keep the strings in position so that the new growth will not become entangled. Give the young plants a shift into 3-inch pots before they become too pot-bound using a good loam with about one-fourth of cow manure. Keep them in a temperature of 60 degrees at night.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Acacias; Bedding Plants; Carnation Stock; Orchids; Dahlias; Stevia.

A Pointer for Local Florists

ISMENE CALATHINA

Plant the bulbs in succession from the middle of April to July. This item does not force well and is best planted outside when conditions warrant. Gives two, three or four lovely white flowers to the stalk, and is a grand thing for funeral work. It is a poor shipper and that is the reason why it is not a standard item in the commercial markets of the country. Local florists have to raise it for themselves from the bulbs. An excellent keeper. Won't stand rain. In brief, these are its merits and its faults; but its merits far outweigh, and we feel we are doing a favor to the retail interests of the country in giving them this pointer. The botanists have now got this plant named *Hymenocallis calanthina*, but the old name is retained here for popular reasons. *Paneratium maritimum* is another good subject in this connection, and it also has been drawn under the *Hymenocallis umbrellae*. Plenty of good bulbs to be had cheap.

GEORGE C. WATSON.

HORTICULTURE

VOL. XIII

APRIL 29, 1911

NO. 17

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per Inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Now is the season of activity in all horticultural work. The call for efficient and reliable men is heard from every department and no one need now be long out of work if he seeks

it in sincerity. Watch the Help and Situations Wanted columns of HORTICULTURE, all ye who are in quest of a position or who need help. An advertisement does not stay there long; a week or two, at this season of the year, especially, suffices to accomplish its object. There are many good men filling good positions today who got there through HORTICULTURE's Want Column.

In another column of this issue will be found the introductory chapter of a series of law on "Mendel's Law," by Dr. Herrmann Decker, published in Germany and now translated into English for HORTICULTURE by G. Thomen.

Within the last decade much has been said and much written about Mendel's law, but as to imparting any clear conception in the average horticulturist's mind of what it all means, most of it might as well have been left unsaid and unwritten. These articles by Dr. Decker differ from most of the literature on this subject in their freedom from scientific unintelligibility and the simple, easily understood terms in which the author expresses himself. We believe that very many of our readers will peruse these plain talks on this all important subject with pleasure and benefit.

Anyone reading the flower market reports in HORTICULTURE regularly cannot fail to note the frequent coincidences in widely separated localities as to the popular demand for certain things. A satisfactory cause for the phenomenon is often beyond the reasoning of the most observant operators. During the past few weeks, for instance, we find that sweet peas and lily of the valley have experienced a most remarkable popularity, not in one locality, merely, but "here, there and everywhere," whilst other staples which have repeatedly outclassed and outsold these items are spurned. Wait a while and the tables will turn, with equally wide-spread accord. Rather curious, is it not?

As stated in our news columns, Governor Foss has seen fit to veto a special appropriation for additional buildings and equipment for the Massachusetts Agricultural College at Amherst. The grounds upon which his disapproval is based are that he believes the College should be self-supporting. Massachusetts, he asserts, is too liberal with free scholarships and should require payment from students coming, not only from outside but from within the State. He further recommends that all demonstration work in the various departments be put upon a commercial basis and adds that "if such demonstrations are to help the farmers to make money they ought to demonstrate money making power." The eminent gentleman has perhaps taken his stand without due consideration of the indirect effect the adoption of his policy might have on the attitude of the rural people towards this useful institution. We have a vivid recollection of the rumpus which was started a few years ago over some trifling sales by the College of certain of its horticultural products. The protest which was voiced against this alleged harmful competition against the citizens of the State made lively music around the State House for a while. It's a dangerous proposition and "the more thou stir it, the worse it will be."

Legislative Insanity

What causes all this insanity among our legislators? Why this burning desire to hit the seedsmen with prohibitory and impossible bills? The mania is not local. It extends east, west, north and south. The two latest are New York and Pennsylvania. Both of the latter bills are enough to make the angels weep in the ignorance and intolerance they exhibit. The drawers of these bills not only don't know what they are talking about, but they are forging weapons that are bound (if consummated) to do incalculable damage to the agricultural interests of the country.

There seems to be but one answer to the question:—The desire on the part of these legislators to cater to the farmer vote. The legislator says to himself: How can I get myself "in good" with the farmer? The answer is "Go" for someone who supplies the farmer with something. Right or wrong does not matter. "Go" for something furnished or somebody who furnishes the farmer, and the farmers will all flock to you!

It has been suggested that Department officials, State and National, are back of it all; but we have too much respect for the common sense of these men to give that argument a moment's consideration.

We are thoroughly convinced that the whole insanity has its origin in the crude belief of legislators that they must "get busy" for the farmer.

In most of the bills as drawn there is a ludicrously lame attempt to exempt the farmer and hit the seedsman. Section 4 of the Pennsylvania Bill is a conspicuous instance of this. Now, how in the world can any one tell where the farmer stops and the seedsman begins? As a matter of fact there is no such distinction. The seedsman is a farmer and the farmer is a seedsman. The seed industry is but an auxiliary branch of the farming industry. If you hit one you hit the other. In their blind efforts to cater to the farmer by hitting the seedsman they defeat their own object and make themselves ridiculous in addition.

As a sane and well tempered reply to an inquiry (from Harrisburg to a Philadelphia seedsman on the pending bill) the points covered by the following brief telegram are worthy of earnest consideration:—

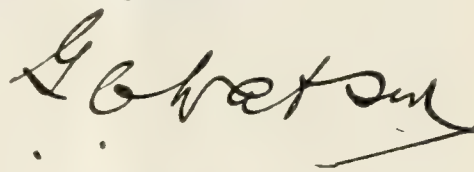
"Depends entirely what you mean by purity. The Zurich test figures chaff and immature seeds impurity. If this act goes into effect the farmers of Pennsylvania will be unable to get seeds at any price. You might as well try to stop the Almighty giving us little eggs and little apples as try to stop Him from giving us light seeds as well as plump. An act of Legislature will not make water run up hill. To my mind section four makes the proposed act unconstitutional, as it violates equality before the law—guaranteed to all citizens."

The point for the seedsmen to observe, therefore, is to make it absolutely clear, and spare no pains in driving this point home—and this point only—that the farmer and the seedsman are one and indivisible. Don't waste effort on details. Hit them (the legislators) on the fundamental weak spot—that they are hurting instead of helping the farmer!

Don't argue with the legislators about purity tests and vitality tests. These are commercial matters, regulated by price—the haggle of the market. Point out to

them that the farmer and seedsman are absolutely one and that they (the legislators) have everything to lose and nothing to gain by monkeying with such a delicate machine as seed producing with its innumerable uncontrollable conditions.

Rubbish will generally show the highest vitality. Some of the finest and most valuable strains of seeds often show weak vitality. As a general rule the higher the breeding the lower the vitality. The very finest strains are usually shy seeders and the seeds of same are generally much lower in vitality than common rubbish. To establish arbitrary percentages is, consequently, the height of folly—and any legislator who proposes such a thing should be confined for life, as a dangerous maniac and a menace to the fundamental industry of the nation—Agriculture!



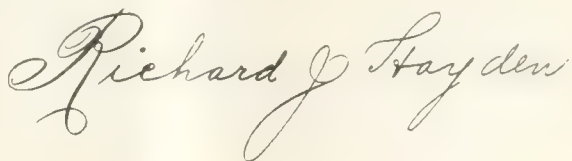
The Hyacinth Scare

Editor HORTICULTURE:

There has been considerable discussion in the public prints recently in connection with the statement attributed to the Superintendent of the Public Grounds Department of Boston that the hyacinth is dangerous to health as a poisonous bulb, and your editorial under the caption, "Hyacinths Barred," in your last issue has led me to say a few words on this important subject. These bulbs have been eliminated from the public gardens of this city and the assertion is made that they are injurious to the face and hands as well as to the soil in which they grow. An experience of some twenty years in handling hyacinths, however, has convinced me that the hyacinth is not such a dangerous bulb as the public have been led to believe and in this I am supported by many of the greatest authorities on the physiology of plants. Little, if any, definite knowledge is known of the toxic effects of plants on soil but all agree that the hyacinth has no more injurious effects on the soil than other plants. Of course, without the replenishing of food elements, any soil will in time become impoverished.

The most that can be said against the hyacinth in its relation to poison is that people handling the bulbs of hyacinths are sometimes subject to an eczema which is produced by the raphides in the plants but this does not amount to poison as the alarmists would have us believe, and different species of hyacinths vary somewhat in their irritating properties.

I am intensely interested in this subject and think a large amount of good would be accomplished if the views of your numerous readers could be obtained upon this question. To me it seems a great hardship that the public should be debarred from enjoying the cultivation of these exquisite plants, whose fragrance and beautiful shades of color are superior to any of the harbingers of spring.



CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The meeting of this club at Horticultural Hall on Tuesday evening, April 25, was well attended. Various reports in connection with the recent National Flower Show were in order. Thomas Pegler, chairman of the entertainment committee, told of the work they had done and was followed by Peter Fisher, treasurer, who reported all bills paid and a balance unexpended of \$481.18. It was voted to add to this the amount of a former similar overlay, making \$600, and deposit same as a separate entertainment fund for possible future needs.

A letter from the secretary of the New York Florists' Club extending thanks for courtesies received by its members visiting the Flower Show was read. Secretary Craig announced that Olmsted Bros. were in a position to place four or five competent young gardeners at San Diego, Cal. A knowledge of tropical plants would be a prerequisite. Eleven new members were added to the roll.

The exhibits of the evening were a calla with double spathe from David Weir; gladioli, Mrs. James Lancashire and Dawn, from Peter Fisher; *Choisya ternata*, from Mrs. A. Hemenway; *Prunus Davidiana*, from an unnamed exhibitor; violets of fine quality, from H. F. Woods, and a vase of *Lilium candidum*, from W. N. Craig. The latter were superb, many of the spikes carrying ten and eleven flowers and buds. They were of the sturdy Northern France type and the flowers broad petalled and heavy.

The special feature of the evening was a brief paper on the *Gladiolus*, by B. Hammond Tracy. Mr. Tracy urged that this flower should be more largely forced for the cut flower trade, for which it is particularly valuable because of its wide range of clear colors and its capacity for long keeping. He alluded to its origin, the habitat of the various original species, the character of the hybrid forms, classification, etc., and threw some light on the sources and manner of the introduction of the popular modern varieties. He recommended deep plowing of the ground and the planting of the corms five or six inches deep, or even more in sandy soil. Owing to the fact that the large sized bulbs mature earliest, he recommended the planting of corms of various sizes to ensure succession of bloom. For fertilizer he advised the application of bone meal and agricultural lime to the soil, with stable manure—the latter only in the fall, unless well rotted. He cuts his spikes as soon as four or five flowers have opened, this being better for the corms and the flowers open perfectly in water. As to hardness the "bulb-lets" are hardy but not the mature corms. As to diseases, the most troublesome are dry rot and soft rot. The old corms should not be forcibly removed from the base of the new ones, but allowed to dry up until they easily drop off and the peeling of bulbs is also a fruitful source of rot, which is induced by abrasions or bruises.

In reply to a question he named

America, Mrs. T. King, Branchleyensis, Dawn, Canary Bird or any other good yellow and Augusta as his selection of the best six varieties. A discussion on the possibility of forcing some scarlet variety for Christmas brought out little of value, but it appeared to be the consensus of opinion that some plan for early maturing by growing in pots or otherwise the previous year would be a prerequisite to successful forcing in early winter.

Mr. E. H. Wilson being called upon, made a few brief remarks, voicing the pleasure he felt at being again amongst old friends after a year's wandering. He said that the traveler finds all sorts and conditions of people, but in his case he felt he had been extremely fortunate in coming in contact with good people and in Boston, especially, he had found the greatest crowd of large-hearted people he had met anywhere in the world.

BAR HARBOR HORTICULTURAL SOCIETY.

At the meeting of this society, April 6th, Wm. T. Burton, gardener for Mrs. John S. Kennedy, read a very instructive paper on Civic Improvement on the "Resident Home" gardens, and a very general discussion followed. Some weeks ago this society appointed a committee of five to offer prizes the coming summer for the best kept resident home gardens and lawns. On Thursday evening, April 13th, Prof. E. F. Hitching, horticulturist at the University of Maine, gave a very interesting lecture on "The Apple and Apple Growing in Maine," at the Horticultural Rooms, under the auspices of this society. There was a large attendance of the public, who asked a great many questions, which goes to show the interest there is arising in the State of Maine for apple growing. The lecturer stated that he had had communications from nearly every state in the Union in reference to Maine's future and the orchard outlook there.

The Spring of 1911 will go on record as being one of the coldest, if not the coldest for a great many years. Lots of frost in the ground and not a vegetable or flower seed put in yet.

NEW ORLEANS HORTICULTURAL SOCIETY.

The regular meeting of the New Orleans Horticultural Society was held Thursday, April 20, and was well attended. John T. Reeks and Frank Quinette was admitted to membership. A paper on "Store Management" was read by P. A. Chopin.

The Metairie Ridge Nursery Co. exhibited a splendid lot of Golden Glow chrysanthemums, the flowers of which were perfect in every respect.

At the next regular meeting of the society a paper on "Landscape Gardening" will be read by Max Scheinuck.

Wm. B. Cleaves, well known as the representative of Arthur T. Boddington, has taken up his permanent residence in New Orleans as an agricultural engineer.

YONKERS HORTICULTURAL SOCIETY.

At a meeting on Friday, 21st inst., H. Scott assumed his presidential duties and received a hearty welcome. Three new members were elected. Discussion centered principally upon the culture of vegetables, both early and late. The society's regular social session will be observed on Friday, May 5th, and Messrs. Millott, Cochran and Blanche were appointed to make arrangements for same.

H. M. B.

CLUB AND SOCIETY NOTES.

The North Shore Horticultural Society met April 21, at Manchester, Mass. Speaker, Joseph Tillson; subject, "Grape Culture Under Glass." Mr. Tillson's paper was much appreciated and a full discussion followed. A committee was appointed to report back on plans for a picnic next summer to take the place of the annual banquet.

The fifth annual meeting of the Playground Association of America will be held at the New Willard Hotel, Washington, D. C., on May 10 to 13, 1911. Practical questions confronting those interested in playgrounds and public recreation will be discussed by experts. For program and additional information write to Secretary Playground Association of America, 1 Madison Ave., New York City.

The Albany, N. Y., Florists' Club met on April 6. It was decided to co-operate with the Albany Mother's Club in the observance of Mother's Day, Sunday, May 14, to donate white carnations to the Club and to discourage the practice of raising the price of carnations for that occasion. Louis Schaefer, who succeeds Patrick Hyde as chairman of the entertainment committee, announced a "smoker" for the May meeting.

SPRING LECTURE COURSE AT N. Y. BOTANICAL GARDEN.

Lectures will be delivered in the lecture hall of the Museum Building of the Garden, Bronx Park, on Saturday afternoons, at 4 o'clock, as follows:

April 29—"The Preservation of Our Native Plants," by Dr. N. L. Britton.

May 6—"What Is Botany?" by Dr. C. Stuart Gager.

May 13—"Transforming an Old Swamp," by George V. Nash.

May 20—"The Reef-Building and Land-Forming Seaweeds," by Dr. Marshall A. Howe.

May 27—"The Influence of Soil Acidity on Plant Distribution," by Frederick V. Coville.

June 3—"How Plants Are Distributed," by Prof. Carlton C. Curtis.

June 10—"The Royal Gardens at Kew, England," by Dr. William A. Murrill.

June 17—"Collecting in the High Mountains of Colorado," by Fred J. Seaver.

June 24—"Past Climatic Conditions Indicated by Fossil Plants," by Dr. Arthur Hollick.

The lectures will be illustrated by lantern slides and otherwise. They will close in time for auditors to take the 5.35 train from the Botanical Garden station, arriving at Grand Central Station at 6.03 P. M.

MEDEL'S LAW AS RELATED TO HEREDITY AND BREEDING.

By Dr. Herrmann Decker.

Translated from "COSMOS," by Gustave Thommen.

"Heredity", is the name given to the generalization of certain facts, concerning the transmission of physical and psychical characters from the parent to the offspring. Among all living beings, people, animals and plants, we find that certain characters, attributes and qualities, belonging to either one of the parents, are reproduced in the young. They have been inherited (transmitted by heredity.)

The action of heredity can be traced through all the ages. In our own families we find among our children, marks and distinctions; as: a certain form of nose, color of the eyes or the hair, texture of the skin, height or other proportions, which we recognize as belonging to either the father or the mother.

Why is this so? How are these things transmitted to the offsprings in ever recurring order? Heredity is a phenomenon in regard to which, until a few years ago, only vague and conflicting notions were entertained. In fact it was mostly taken for granted that it just happened so. There was no apparent law recognized. In every rule and law of nature there is a certain logic, a legitimacy, but until recently there was no way of explaining satisfactorily the question of heredity, consequently the results of many breeders did not come up to expectations and the outcome of many crosses would seem to be simply some vagary of nature.

Breeders had to face the great and important problem of heredity hopelessly and helplessly and many an ill-advised cross was made, simply with the hope that somehow or other the wished for result would show itself. Even Darwin stood yet upon this ground, groping and experimenting helplessly. He was still moving in the rut of popular thinking.

Now comes Mendel. Gregory Mendel, Augustinian monk in the convent of Bruenn, province of Maehren, Austria. In the seclusion of his convent garden he solved the problem, silent and thoughtful. Patient trials, made according to a carefully considered plan, revealed to him the great secret of heredity. He found that it is not only possible, but absolutely safe, to predict the result of matings if the necessary terms and conditions of nature are complied with. His discovery lets him perceive the systematical working of the laws of heredity. The principle which he discovered is simple and selfevident.

In 1865 Mendel modestly placed his discovery before the members of a small circle of scientific men. None of these was able to comprehend the immense scope of it. Even eminent botanists like Naegely did not grasp the idea. So the quiet abbot was forgotten, so was his labor of research and for the time being his discovery came to naught. Nobody remembered Mendel and this happened at the time when Darwin filled the world with new and great ideas about evolution and creation. Unfortunately Darwin never heard of Mendel's lifework; he would certainly have recognized its worth and importance.

Mendel died in 1884, totally unknown

in the world of science. Grass obliterated his resting place. But in time the problem of heredity claimed the attention of serious investigators more and more and when they began to rummage among the papers of former researchers, his secret was found among the papers which he had left behind.

In 1900, Tchermack, Correns and DeVries, three men at the same time, but independently, found his writings and at once recognized their worth. They read the papers with surprise and admiration. Enthusiastically the experiments were repeated and put to trial. They were found to be correct and nobody could understand how such a valuable discovery could have sunk into oblivion. Mendel's manuscripts were published and his theory was proved and strengthened. The name of the dead abbot is now known all over the world.

Now wherein does Mendel's work deserve especial credit? Wherein was Mendel ahead of his time? He recognized the importance and also the limitations of the problem from the start and after clearly outlining the plan for the work before him he carried it to the end through the patient labor of many years. He approached the problem of heredity in its most simple form; he put his questions up to mother nature and let her answer them through her own children, the plants. Plants are patient and increase rapidly.

Mendel chose for his trials the pea. Even this shows his shrewdness, for, as the pea blossom is self-fertile and its construction almost totally precludes fertilization through extraneous agencies, it left him free to exact from nature clear and concise answers to his questions. He knew that if he wished to solve this great question of heredity he must employ only the most simple and easiest controllable means. In this way only could he hope to succeed. All of the former investigators and breeders had been trying to solve the problem by means of the most complicated and unsuitable agencies and so it was only natural that the results of their labors did not harmonize and prevented the formulation of any law of heredity. No wonder that those men did not succeed. A student of chemistry, for instance, is not supposed to start in on his studies by analyzing a mince pie.

(To be continued.)

BRITISH HORTICULTURE.

The Easter Flower Trade.

Each season there appears to be an increased demand at Easter for flowers for decorative purposes. The growing of bloom for market has now reached extensive limits in Britain, besides the tons of bloom which are imported from southern France and elsewhere. Just before Easter we experienced a second edition of winter, with snow and occasional blizzards. This had the effect of seriously retarding the development of the out-door daffodils, with the result that the supplies have not been as heavy as usual. Excellent prices have been made, these being in advance of the average. A good trade was done in arums, white stock, scarlet pelargoniums, and other flowers for church decoration. The florists in London are expecting a busy time in

making preparations for the coronation festivities. Queen Mary has chosen pink carnations as the chief flower for the bouquet which is to be presented to her by the Gardeners' Company. This choice is likely to set the fashion in the popular adoption of the carnation for decorative schemes, notwithstanding the zealous booming of the sweet pea in some quarters.

Electricity in Horticulture.

At a recent meeting of the Farmers' Club, in London, Professor J. H. Priestley, of Bristol University, lectured on "Electricity as a factor in crop production." The methods were described by which electricity has been applied to the crops, either by small electric currents running through the soil, or by the use of atmospheric electricity collected by conductors, also by the discharge of high tension electricity from overhead wires, as well as the use of the electric light. In reply to questions, the lecturer stated that he preferred to employ electricity outside rather than inside a greenhouse, as owing to the moisture in the latter case there was a great leakage of current. He agreed that much research work had yet to be done, and that the apparatus must be so perfected as to be workable by non-experts. So far he had proved that it was possible to stimulate the growth and vitality of plants and it was in that direction he proposed to continue his experiments. At the close of the meeting, a resolution was passed inviting the Board of Agriculture to assist in further experiments which are necessary for additional research.

Jottings.

An experimental station has been established at Burbage, Leicestershire, by C. C. Hurst, for the purpose of applying Mendelian methods of research to the practical breeding problems of agriculture, horticulture, and forestry.—The National Gladiolus Society has now been launched for the advancement and improvement of this flower. The Secretary states: "It is the intention of the Society to compile a handbook as soon as possible, giving valuable information, and a classified list of named varieties, with their flowering season. It is felt that the gladiolus, second only in beauty, form and coloring to the orchid, is not nearly wide enough known, and the Society hopes through its members to increase its cultivation till it is grown in every garden."

Silas Cole, head gardener to Earl Spencer, has been appointed director of "The Times" experimental station at Guildford, in succession to the late Mr. Chas. Foster. Mr. Cole was the raiser of the Countess of Spencer sweet pea, the first waved variety which was the fore-runner of the latest development of sweet peas.

In connection with the "Festival of Empire" to be held at the Crystal Palace, from May to Oct., a special feature is to be made of the floral displays.

W. H. ADSETT.

Middletown, N. Y.—Someone on the night of April 6th forced an entrance to F. H. Rau's greenhouse and destroyed a large stock of plants by sprinkling saltpetre over them. The police are searching for the culprit and a reward is offered for his arrest.

A PACIFIC COAST EXHIBITION.

As stated in our issue of April 15, the Spring Flower Show of the Pacific Coast Horticultural Society and the California State Floral Society at San Francisco was a gratifying success in extent and quality. Since then we have learned the pleasing fact that it was also a splendid success financially.

We present herewith views of three of the many attractive groups of which photographs have been sent to us and we feel sure that our readers will agree with us, after seeing them, that San Francisco florists stand second to none in the art of plant grouping. The show was under the direction of Angelo J. Rossi, of the firm of Pelicano, Rossi & Co., who has good reason to feel elated over the artistic and financial success achieved.

PUBLICATIONS RECEIVED.

The Carnation Year Book, 1911. This is the second annual edition of this valuable publication, published by Hayward Mathias, Lucerne, Stubbington, Fareham, Kents, England. The Perpetual Flowering Carnation Society was inaugurated in 1906 and the prime movers in its organization were the two gentlemen concerned in this publication—the editor, J. S. Brunton, Burnley, Eng., and the publisher, as above. The book is in fact the official organ of the Perpetual Flowering Carnation Society. The contents include the Report of the Society; rules for exhibitions; registrations of names of new varieties, both in England and America, during 1910; selected lists; report on bedding out trials; useful papers on cultural points, decorative values, etc., by Messrs. M. Todd, M. C. Allwood, C. Harman Payne, Rev. Joseph Jacob, P. Smith, A. Grubb, F. Fitch and J. Gardner; a list of the prize winners at the June and December exhibitions last year. There are many full page illustrations. The book is bound in stiff covers. It is for sale by Mr. Mathias at 1 shilling, 3



Group of Evergreens at San Francisco Exhibition.

pence, or may be obtained from the office of Horticulture, post paid, for 50 cents.

The premium list for the June exhibition of the Newport Horticultural Society has been published. The show will be held at Masonic Hall, Newport, R. I., on Thursday and Friday, June 22 and 23. This is always a very attractive exhibition. Copies of the list of prizes may be had on application to the secretary, Daniel J. Coughlin. The dates happen to be the same as for the National Sweet Pea exhibition at Philadelphia.

The Preliminary Premium List of the Cincinnati Florists' Society has been issued and copies can be

had by addressing the secretary, Geo. S. Bartlett, 131 East Third Street, Cincinnati, Ohio. The exhibition will be held on November 13 to 18, 1911, inclusive, at Horticultural Hall—Music Hall. The prizes for table decoration, handle baskets and bride and bridesmaid bouquets are especially liberal.

MASSACHUSETTS AGRICULTURAL COLLEGE.

In a special message to the legislature, accompanying the report of Expert C. L. Harpham of the Massachusetts Agricultural College, Governor Foss commended the working spirit of the college and suggested that its usefulness to the farmers of the State be increased. He also recommended that all demonstration work at the farm in poultry, market gardening and horticultural work be put on a commercial basis.

He called the attention of the legislature to the fact that although thirty-seven of the States charged tuition to all students coming from outside the State, and in some cases to those within the State, Massachusetts gave free scholarships to all students. He advocated the charging of tuition to students from other States, and approved of Expert Harpham's recommendation to charge tuition to all students.

Because of the present methods the Governor would not approve of the appropriation of \$50,000 for a new dining hall and new dormitory. He approved the granting of \$129,282 for the current expenses of the year, while \$145,800 was asked.

NEWS NOTES.

Macon, Mo.—M. H. Roth is planning to open a greenhouse here.

Lithbridge, Alberta, Can.—The A. Mitchell Nursery Co. is establishing large nurseries at Lacombe and Coaldale.

Lexington, Mass.—Meadow land near Monroe Station has been leased by the New England Nurseries of Bedford.



Plant Group at San Francisco Exhibition.

PERSONAL.

M. P. Lynch is now employed by Julius W. Niesen, Chicago, Ill.

Philip Lavery is now in the employ of Jas. B. Canning, Providence, R. I. Reinhold Schilling has accepted a position with the Park Floral Co., Denver, Colo.

Harry Gray has accepted a position in the store of the State Nursery Co., Helena, Mont.

W. C. Johnson, formerly with E. H. Hunt, Chicago, has opened a flower store in Grand Forks, N. D.

Col. W. W. Castle has been quite ill with inflammatory rheumatism at his home in Weymouth, Mass., since April 17, but is now convalescing.

W. B. Jackson, of Manchester, Mass., has accepted a position as gardener for Mr. C. P. Bassett, on his estate at Summit, N. J.

David Welch, of Welch Bros., Boston, has started on a trip South, by order of his physician, on account of a severe attack of bronchial trouble.

Invitations are out for the marriage of Maurice L. Glass, of the firm of A. Moltz & Co., wholesale florists of New York, to Miss Rebecca Moltz, on May 16.

Mrs. H. Bayersdorfer of Philadelphia has just been discharged from the hospital, fully recovered from a very serious operation. Relieved of the anxiety of the past few weeks, Mr. Bayersdorfer is now preparing to start on his annual European trip and will sail on May 11 on the Amerika.

E. H. Wilson is now out of the hospital at Jamaica Plain, Mass., where he has been confined since his return from China. He hopes to be able to sail for England about ten days hence. Mr. Wilson is enthusiastic over the elegant courtesies extended to him by H. Suzuki of the Yokohama Nursery Co., during the time he was in Japan. Mr. Suzuki sent regards to Boston friends by Mr. Wilson.

Among the visitors in New York

this week is John H. Dunlop of Toronto, Canada.

Visitors in St. Louis: A. Miller, representing Skidelsky & Irwin, Philadelphia; J. J. Karins, representing H. A. Dreer, Philadelphia; D. D. P. Roy, Chicago.

A MEMORIAL DAY DISPLAY.

Following their annual custom, H. Bayersdorfer & Co., of Philadelphia, have been making a two weeks' display of Memorial Day specialties and other seasonable florists' supplies at the Quincy House, Boston. Three large show rooms have been utilized for the array of cypas wreaths, novelty crepe flowers, metal wreaths, sheaves, baskets, statice wreaths with ammobium flowers, brides' bouquet holders, etc. The exhibit is in charge of I. M. Bayersdorfer, Martin Reukauf and Stephen Green and they report a very heavy business done, 19th of April, a Boston holiday, having exceeded any one day hitherto in this respect.

THE BLUEBIRD.

I know the song that the bluebird is singing,
Out in the apple-tree where he is swinging.
Brave little fellow! the skies may be dreary,
Nothing cares he while his heart is so cheery.

Hark! how the music leaps out from his throat!
Hark! was there ever so merry a note?
Listen awhile, and you'll hear what he's saying,
Up in the apple-tree, swinging and swaying:

"Dear little blossoms down under the snow,
You must be weary of winter I know;
Hark! while, I sing you a message of cheer,
Summer is coming and springtime is here!"

"Little white snowdrop, I pray you arise;
Bright yellow crocus, come, open your eyes;
Sweet little violets hid from the cold,
Put on your mantles of purple and gold;
Daffodils, daffodils! say do you hear?
Summer is coming and springtime is here!"

Emily Huntington Miller.

DURING RECESS.

New York vs. Tuxedo.

The Tuxedo Horticultural Society's bowling team were the guests of the N. Y. Florists' Club Bowling Association at the Thumm's Bowling Alleys on Friday evening, April 21st. This was Tuxedo's first game since the team was organized and the boys had very little previous practice, so when defeat came it was not altogether unexpected. The visitors greatly enjoyed the game and the generous hospitality which was extended to them by the members of the New York Club. A prize of five dollars was given by the Revere Rubber Co. for the guests' highest individual score and was won by Albert Fischer. Three games were played and the scores are as follows:

NEW YORK.		TUXEDO.	
Manda,	163 207 137	F. B'rth,	176 152 163
Shaw,	113 170 133	Fischer,	177 171 120
Kakuda,	109 127 123	E. B'rth,	141 157 145
Scott,	146 118 146	Miller,	172 145 116
Ch'dw'k,	159 194 226	Thomson,	90 160 118
690 816 765		756 785 662	
Total .....2271		Total .....2203	

The next match of the New York team will be at Madison, N. J.—N. Y. vs. Madison—on May 2. A return match will be played with Tuxedo early in May.

Chicago Bowlers.

Scores for April 19 were as follows:

ROSES.		CARNATIONS.	
Byers,	116 144 150	Kraus,	163 153 142
Katzel,	101 94 89	Ayers,	113 212 190
Myers,	174 172 144	Goerisch,	117 133 145
Craig,	102 92 109	Schultz,	169 174 136
Fischer,	245 196 179	A. Zech,	161 183 148
ORCHIDS.		VIOLETS.	
Huebner,	116 201 152	Wenzil,	140 149 143
Farley,	144 200 165	S'l'ssm'n,	103 183 159
Graff,	147 175 179	Lusson,	128 117 105
Degnan,	123 192 126	F'r'dm'n,	178 170 135
J. Zech,	178 148 146	Lorman,	164 143 172

The last game will be played Wednesday, April 26th and the prizes awarded.

Vaughan & Sperry have at their store a 15-inch silver loving cup which is their prize to the bowler making the highest individual score. It bears the inscription "Individual Championship, Bowling League, 1910-11.

Al Fischer last week made the highest record thus far, an average of 206 2-3 for three games played and his chances are considered good for carrying off the prize.

The Sports and Pastimes Committee of the Chicago Florists' Club have decided to hold the annual picnic at Park Ridge, July 23rd. Allie Zech is chairman of committee.

The annual dinner of the Lenox (Mass.) Horticultural Society was held at the Curtis Hotel April 18 and there were about 75 present. The table was decorated with sweet peas, potted plants, carnations and hyacinths. George H. Cooper of Pittsfield was toastmaster and toasts were given by William G. Clifford, John O'Hearn, John McQuaid and John Enright.

East Brookfield, Mass.—Warren E. Tarbell, vice-president of the Miller Floral Co., Farmington, Utah, will leave for Farmington about June 1st. He will be accompanied by Mrs. Tarbell. Several other easterners are interested in the company.



Plant Group at San Francisco Exhibition.

THE ST. LOUIS HAIL STORM.

Secretary John G. Esler, of the Florists' Hail Association, has sent us a list of the parties suffering loss of glass to greater or less extent in the great hail storm in the southwestern suburbs of St. Louis, which shows that the list we published last week was far from complete. Omitting those names we recorded last week there are on Mr. Esler's list the following: Edward Sexauer, W. Bruecker, Wm. Mackle, Chas. Kronsberg, August Hartman, W. J. Pilcher, Woodbine Floral Co., G. Ahuer, Geo. H. Goebel, Chas. H. Main, Mrs. Theo. Richter, C. A. Hicks, Jos. Deutschmann, Phil J. Goebel, J. F. Ammann, R. Wolfsberger, Arnold Scheddigger, Frand & Aug Venneman, Wald. M. Stretzing, J. E. Muldoon, J. G. Rahner, Mrs. L. S. Werth, M. Niemeyer, J. R. Steinicke. From local newspaper clippings we also glean the following additions: Luther Armstrong, A. Abner and W. S. Hutchinson. Also at Leavenworth, Kans., Sunnyside Floral Co., and the Soldiers' Home greenhouses.

Fred Ammann, who is an officer of the Hail Association, made the rounds to ascertain the exact amount of loss. He thinks the total will run up to nearly 400,000 ft. of glass. Quite a number of the damaged houses have already been repaired and are again in good running order.

FIRE RECORD.

McKeesport, Pa.—The greenhouse of Chas. Dougherty, stocked with Easter plants, was burned down a few days before Easter.

Hudson Heights, N. J.—The greenhouses of W. Bluethgen, Jr., were damaged and residence destroyed by fire, April 7. Only \$1000 insurance.

The National Clock and Electric Company, of St. Louis, who manufacture florists' thermostats, lost their entire plant by fire on Saturday, April 22, their loss is estimated at \$25,000, according to President Bolin. This company is well known among florists from the big display they made at the Rochester S. A. F. convention.

ONE ON TRELEASE.

"Tulips Free, Shaw's Garden."

A display ad. bearing this simple information appears in the local newspapers, and now the management of Shaw's Garden is fearful of the outcome.

The intent of the advertisement is to convey the idea that the exhibition of tulips is free. The flowers or plants are not to be had without risk to the personal welfare of the one bold enough to pluck them.

The ad. was written by Director William Trelease, who, it is expected, will be compelled to arm his staff of gardeners to preserve the tulip beds.

The tulips will flourish for the next two weeks, the weather permitting, and a large crowd of flower lovers are expected at the garden. The garden attaches will be put on their mettle defending the plants and keeping their tempers during long passages of explanations to visitors, who lured by the ad., will come with trowels and baskets to cart off the plants.

A similarly worded ad. during the chrysanthemum season caused no little confusion at the garden several years ago.

—St. Louis Republic.

CHRYSANTHEMUMS and ASTER SEED

ELMER D. SMITH & CO., Adrian, Mich.

Laelia Gouldiana

A natural hybrid between *Laelia autumnalis* and *Laelia anceps*, very rare. Flowers 4 inches in diameter having a wonderful dark crimson color, lasting a long time in perfection.

Nice plants \$7.50 to \$10.00 each.

We have only a limited importation to offer of this marvelous orchid.

JULIUS ROEHRS CO.

Orchid Growers and Importers

RUTHERFORD, N. J.

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York

BEGONIAS

Begonia Glorie de Lorraine, Begonia Lonsdale, \$15.00 per 100, \$140.00 per 1000.

Begonia Glory of Cincinnati, \$25.00 per 100, \$200.00 per 1000, 250 at 1000 rate.

Strong 2½ in. pot plants, twice transplanted. No better stock obtainable. Place your order early to insure May and June deliveries.

Absolute satisfaction guaranteed. Catalog for the asking.

SKIDELSKY & IRWIN CO.

1215 BETZ BUILDING, PHILADELPHIA, PA.

Moonvines

Ipomea Nictiflora, our so well known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2½ in. pots, will make good stock for you to propagate from, \$5.00 per 100.

Godfrey Aschmann

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario St., PHILADELPHIA, PA.

FERNS

Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

In ordering goods please add "I saw it in HORTICULTURE."

BOSTON FERNS, 2½ inch \$30.00 per 1000.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 350 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2890 Bedford BROOKLYN, N. Y.

BEST PALMS

All Varieties, All Sizes.

Send for Price List

Joseph Heacock

Wyncote, Pa.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;

\$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

1911 Quincy St., CHICAGO, ILL.

PALMS, FERNS, DECORATIVE AND FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Parish Street Nurseries, Roslindale, — Boston, Mass.
Price list on application

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS, PHILADELPHIA, PA.

Gladiolus, Cinnamon Vines

Madeira Vines, Lilies, Iris, Daphne
Cneorum, Syringa Japonica
and Wistarias.

Write for Price List.

E. S. MILLER, Wading River, N. Y.

Decoration Day Roses

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Hardy Perpetual Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name: Price, 75 cts. for 5 (of one variety), \$13 per 100, \$120 per 1000 (immediate delivery).

Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Large, pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Delicate flesh color.
Cléo. Satin blush; very fine new sort.
Duke of Edinburgh. Bright vermilion.
Fisher Holmes. Dark velvety crimson.
Frau Karl Druschki. The finest white in existence.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson; the popular Rose.
John Hopper. Bright rose, with carmine center.
La France. Peach-blossom pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh center.
Marshall P. Wilder. Cherry-rose and carmine.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Light, satiny pink.
Mrs. John Laing. Rich, satiny pink.
Mrs. Sharman Crawford. Deep rosy pink.
Paul Neyron. Lovely dark pink.
Persian Yellow. Hardy yellow rose.
Prince Camille de Rohan. Dark crimson-maroon.
Soleil d'Or. Large, globular flowers, varying in color from gold and orange to reddish gold, shaded with nasturtium-red.
Ulrich Brunner. Cherry-red; grand rose; free. For Prices, see above

English Moss Roses

Assorted, White, Pink, Red. Large dormant plants, from open ground. 75 cts. for 5, \$14 per 100.

Baby Rambler Roses

PHYLIS. Very fine clear pink, highly recommended. \$1.25 for 5, \$20 per 100.
PHYLIS (Grown as a Standard). \$2 for 5, \$35 per 100.
BOSKOOP BABY. Color beautiful shade of China rose, very free-flowering and easily forced. \$3.25 for 10, \$30 per 100.
BABY DOROTHY. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85 cts. for 5, \$15 for 100.
BABY DOROTHY (Grown as a Standard). For description, see above. 50 cts. each, \$4.75 for 10, \$45 per 100.
CATHERINE SEIMETH. A very important novelty. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. It has the true rose perfume. 85 cts. for 5, \$15 per 100.
MRS. WM. H. CUTBUSH. A grand acquisition to the Baby Rambler class. Color intense crimson and exceptionally free-flowering. 85 cts. for 5, \$16 per 100.
MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants, 75 cts. for 5, \$14 per 100.
BABY RAMBLER (Grown as a Standard). The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40 cts. each, \$3.75 for 10, \$35 per 100.

Ramblers and other Climbing Roses

CLIMBING BABY RAMBLER (Miss C. Mesman). A novelty for 1911, where the Baby Rambler is popular, the climbing type will soon become so, too. We have a small stock, and offer same as follows. It is a true Polyantha type, color deep rose. 50 cts. each, \$2.25 for 5, \$40 per 100.
GLOIRE DE DIJON. Color buff, orange center, very sweet-scented. Field-grown. \$1.50 for 5, \$22.50 per 100.
CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 5 feet, \$1.75 for 10, \$15 per 100; 4 to 6 feet, \$2.25 for 10, \$20 per 100; 7 to 8 feet, extra heavy, \$4 for 10, \$35 per 100.
DOROTHY PERKINS. Resembles the Crimson Rambler, except in color, which is a lovely shell pink, holding a long time without fading. 4 to 5 feet, \$1.75 for 10, \$15 per 100; 8 to 9 feet, \$2 for 10, \$18 per 100.
TAUENDSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$1.75 for 10, \$15 per 100.
TAUENDSCHON (Grown as a Standard). Fine for forcing. 40 cts. each, \$3.75 for 10, \$35 per 100.

Something New in Roses for Florists

Half-Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (Half Standard). Deep pink. 40 cts. each, \$4 per doz., \$30 per 100.
BABY RAMBLER (Half Standard). Crimson. 40 cts. each, \$4 per doz., \$30 per 100.
BABY CATHERINE SEIMETH (Half Standard). White. 40 cts. each, \$4 per doz., \$30 per 100.
BABY "STARS AND STRIPES" (Half Standard). White and red grafted on the same plant; most attractive. 45 cts. each, \$4.50 per doz., \$35 per 100.
PHYLIS (Half Standard). Carmine pink. 45 cts. each, \$4.50 per doz., \$35 per 100.
TAUENDSCHON (Half Standard). Soft pink. 40 cts. each, \$4 per doz., \$30 per 100.
MRS. CUTBUSH (Half Standard). Rose pink. 40 cts. each, \$4 per doz., \$30 per 100.

Well-Known Climbers

Mme. Plantier. White.
Baltimore Belle. Pale blush color.
Prairie Queen. Red, changing to pink.
Seven Sisters. Clear pink.
75 cts. for 5, \$14 for 100

English Grown Hybrid Tea, or Everblooming Roses, etc.

Hybrid Tea or Ever-blooming Roses are becoming more popular every year. As hardy as the perpetuals, with slight protection in Winter, they give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

THE GRAND ROSE LYON. Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large with broad petals, full and globular in form; shrimp pink at the ends of the petals, center coral-red or salmon-pink, shaded with chrome yellow. Very fragrant. 40 cts. each, \$1.75 for bundle of 5, \$30 per 100.

THE KILLARNEY ROSE. This is a grand Rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion. Strong, 2-year-old field-grown stock, \$1.25 for bundle of 5, \$22.50 per 100.

MAMAN COCHET ROSES. The best of all Roses for Summer-flowering and cutting.

Maman Cochet (Pink). Color is clear, rich pink, changing to silvery rose; very double and fragrant.

Maman Cochet (White). A sport from the above, with all its characteristics; color a beautiful snow-white, at times tinted with the faintest suggestion of blush, the same as is often found in the Bride.

\$1.25 for bundle of 5, \$22.50 per 100.

ROSE, Etoile de France. Flowers large, possessing petals of very good substance; magnificent cupped form. Superb crimson-red velvet, the center of the bloom vivid cerise-red. The flowers are very fragrant and last very long. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced. Strong, 2-year-old plants, field-grown, 85 cts. for bundle of 5, \$15 per 100.

BESSIE BROWN. Creamy white, \$2.50 for 10, \$22.50 per 100.

GRUSS AN TEPLITZ. No Rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower, \$1.75 for 10, \$15.00 per 100.

VISCOUNTESS FOLKESTONE. A large full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous, \$1.25 for 5, \$22.50 per 100.

HERMOSA. Soft pink; flowers full and freely produced; a good grower, \$1.25 for 5, \$20.00 per 100.

RICHMOND. The well-known red Rose of commerce, \$1.25 for 10, \$22.50 per 100.

PRESIDENT CARNOT. Almost pure white Rose, shading to soft pink, very distinct and excellent for indoor or outdoor Summer growing, \$1.25 for 5, \$22.50 per 100.

BETTY. Copper-yellow, overspread with golden-rose. A fine formed Rose, large and moderately full, \$1.75 for 5, \$25.00 per 100.

MADAME ABEL CHATENAY. Carmine-rose, shaded salmon-pink, \$2.50 for 10, \$22.50 per 100.

MILDRED GRANT. Cream, with a faint blush of pale rose, \$2.50 for 10, \$22.50 per 100.

AMERICAN BEAUTY. Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous. Strong, field-grown plants, 75 cts. for bundle of 5, \$14 per 100.

CAROLINE TESTOUT. Bright satin rose, with brighter center, large full, globular; sweet-scented. \$1.25 for bundle of 5, \$22.50 per 100.

We carry a much larger list of Hybrid Teas in our retail catalogue, which will be sent on application.

KAISERIN AUGUSTA VICTORIA. An almost pure white Rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer-blooming. Bundle of 5 for \$1.25, \$22.50 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK CITY

PHILADELPHIA NOTES.

Mothers' Day only a week away. Are you making ready? The thing may be silly, but there's business in it.

Memorial Day next. Just one month from now. The peonies here are only three inches high in the red shoot stage, at this writing—and look very dubious for the great occasion.

The magnolias and tulips are in bloom in Washington Square. The customers are six deep in the seed stores. She is here at last! A month late but better late than never. Sweet spring. Thrice welcome!

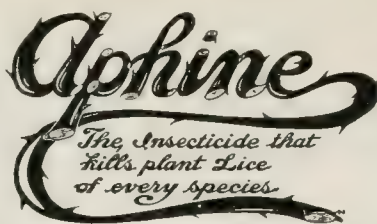
Stephen Mortensen has nearly completed repairs on his range at Southampton and the stock has recovered beyond expectation from the fire. The foundations and piping are already in for a big new house, which will be rushed to completion as rapidly as possible.

Fred Lautenschlager, of Kroeschell Bros., Chicago, accompanied by the writer, visited the new Dreer establishment at Riverview on the 19th inst. E. H. Michel, the manager of the new range, was courtesy itself in showing and explaining every detail of this immense place. Mr. Lautenschlager was much impressed with the perfection of the design, and the economy, strength, utility and durability of the completed structures. He considered this the best yet for its special purpose, and an object lesson in progressiveness.

M. Rice, of M. Rice & Co., will arrive in New York on the 29th or 30th, home from his European tour, and will be met at the pier by his partner, B. Eschner and a number of other close friends and relatives who will give him the glad hand. We understand Mr. Rice has had a very successful trip and has combined business and pleasure in about equal proportions. Some of his finds in the way of novelties and improvements in florists' supplies have already commenced to arrive, and every steamer, almost, for this port will add its quota for months to come. Welcome home, Knight of the Market and Counting Room.

Our esteemed and venerable friend, John Clark, of the Botanic Gardens, Washington, D. C., celebrated his 80th birthday on the 23rd inst., by making a brief visit to the home of his son, James, at Riverton, N. J. The latter holds an important position in the Dreer Nurseries. The occasion was made an enjoyable family reunion, as another son, George, who is in the seed department of Dreer's in Philadelphia, was able to attend with his family, as were also other relatives and friends. John Clark is one of the few old-school gardeners still spared to us. He is advanced in years but as young as ever in "Standfast for Truth and Right." John, we salute you, and are brushing up our arguments for the next discussion with you over the House of Lords. May you live long and prosper. You are a credit to Scotland, the land of your birth, and to America, the land of your adoption.

Visitors: Mr. and Mrs. Chester I. Campbell, and Mr. and Mrs. W. P. Edgar, Boston, Mass.; Fred Lautenschlager, Chicago; C. B. Knickman, N. Y.; Jas. Brown, Coatsville, Pa.; Jos.



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN

Send for name of nearest selling agent.

Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country.

Aphine and Fungine can be used in house or field. MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50
In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00 100 lbs. \$ 8.00 1000 lbs. \$27.00
50 lbs. 1.75 500 lbs. 14.00 2000 lbs. \$2.90

Stump & Walter Co. 50 Barclay St. New York.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

Manda, New York; P. J. Lynch, New Castle, Ind.

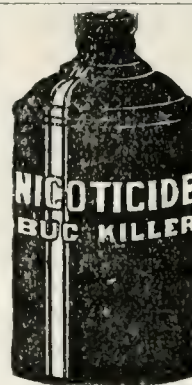
CATALOGUES RECEIVED.

W. D. Hathaway, New Bedford, Mass.—Hathaway's Dahlias, 1911. The Hathaway dahlias have won 4 silver cups and 179 certificates in the past six years. This list includes a good number of 1911 novelties.

Skinner Irrigation Co., Troy, Ohio.—A descriptive illustrated treatise on the instalment and use of the Skinner System of Irrigation. Includes a large number of flattering testimonials from those who are using the system.

Schaum & Van Tol, Boskoop, Holland.—Wholesale Trade List of Nursery Stock. McHutchison & Co., 17 Murray Street, New York, are the sole agents for this nursery for America. The collection listed comprises the cream of the hardy ornamental garden shrubs, trees and herbaceous plants.

Peacock Dahlia Farms, Williamstown Junction, N. J.—New Creations in Dahlias and Quality Dahlias that Bloom. This is a very worthy publication, handsomely illustrated and varieties minutely described. The Peacock Dahlia Farms are widely known as the disseminators of some very fine novelties.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

*green flies and
black ones too*

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee
THE H. A. STOOHROFF CO. MOUNT VERMONT, N. Y.

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

PLANT for IMMEDIATE EFFECT BROAD LEAVED EVERGREENS

Rhododendron Maximum, 2-5 feet high

Kalmia latifolia, 1-3 ft. high

in carload lots and small quantities. We also have a fine stock of hardy hybrid **Rhododendrons**

Eastern Nurseries, Jamaica Plain, Mass.

HENRY S. DAWSON, Manager

Write for Prices

Bargain in 2½ inch Carnation Stock

READY TO FIELD AT ONCE.

We offer until sold, for spot cash, 30,000 selected stock raised for our own planting. Established in pots in February, extra strong. Also 20,000 R. C.

	2½ Inch Pots.	R. C.
1000 Alma Ward.....	\$10.00 per 100	\$7.00
1500 Mrs. C. W. Ward..	9.00 per 100	6.00
1000 Dorothy Gordon...	8.00 per 100	6.00
Georgia	4.00 per 100	3.00
White Enchantress.....	4.00 per 100	3.00
Enchantress	4.00 per 100	3.00
Rose Enchantress.....	4.00 per 100	3.00
Beacon	4.00 per 100	3.00
White Perfection.....	4.00 per 100	3.00
Rooted Runners, P. of Wales Violets, \$1.50 per 100; \$15.00 per 1000.		
5000 Salvias Zurich and Bonfire, sturdy, transplanted, ready for 3 inch, \$2.00 per 100; \$15.00 per 1000.		

HARLOWARDEN GREENHOUSES

GREENPORT, - - - L. I., N. Y.

H. S. COURTNEY, Supt.

HOLLYHOCKS

Dbl. pink, salmon, maroon and red; large field-grown plants, \$6.00 per 100, \$50.00 per 1000; also Aquilegia Canadensis, Alyssum Saxatile, Campanula Carpathica Alba, Persicifolia Alba, Pyrethrum Roseum, Veronica Spicata and Alba, \$5.00 per 100, \$45.00 per 1000, and Papaver Orientale, 4 in. pots, \$6.00 per 100, \$50.00 per 1000. Cash with order please. Write for samples to

GEO. F. KIMBEL - Flourtown, Pa.

200,000 CANNA ROOTS

As good as can be grown. Our stock is very large, and to move a large quantity at once we will offer a big reduction on the regular price. We grow 120 varieties, don't fail to get our started plant proposition. Send for price list of Cannas, Caladiums, and Xanthosomas the new Flowering Caladiums. They will be money makers.

CLEAR VIEW GARDENS

THE CUMMINGS CO., INC.

Successors to

THE FRANK GUMMINGS BULB AND PLANT CO.
MERIDIAN, MISSISSIPPI.

CHOICE VARIETIES OF DAHLIAS AND POMPON Chrysanthemums

Well Started in Pots

Send for Catalogue

SHATEMUC NURSERIES

Barrytown, Dutchess Co., N. Y.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Rafia, etc., etc.
Nursery stock from France, Holland, England and Japan.

**McHutchison & Co. 17 Murray St.
New York, N. Y.**

A. N. PIERSON

Incorporated
CROMWELL, CONN.

COLEUS

Verschaffeltii, Firebrand, Golden Queen, Lord Palmerston, Queen Victoria, Beckwith's Gem.

Rooted Cuttings by express: 75 cents per 100; \$7.00 per 1000. Out of 2½-inch pots in May: \$2.50 per 100; \$20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Hero, Messey, Brillancy.

Rooted Cuttings by express: \$1.00 per 100; \$8.00 per 1000. Out of 2½-inch pots: \$2.50 per 100; \$20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

FANCY VARIETIES

Fancy Varieties. A very fine assortment of twelve kinds not listed above. Rooted Cuttings: \$1.00 per 100; \$8.00 per 1000. Out of 2½-inch pots: \$2.50 per 100; \$20.00 per 1000.

Fancy Varieties. Either rooted cuttings or plants from 2½-inch pots, our selection, 250 at the 1000 rate.

AGERATUM

Stella Gurney and Princess Pauline. 75 cents per 100; \$7.00 per 1000.

ALTERNANTHERA

Red and Yellow. Rooted Cuttings: 75 cents per 100; \$6.00 per 1000. From 2½-inch pots: \$2.00 per 100.

Brilliantissima. A valuable new Alternanthera, red and yellow in color, with broad leaf. Rooted Cuttings: \$1.25 per 100; \$10.00 per 1000. From 2½-inch pots: \$2.50 per 100.

SALVIA

S. Splendens, S. Bonfire, S. Zurich, S. Schenley.

Rooted Cuttings, 75 cents per 100; \$7.00 per 1000.

Salvia of these varieties from 2½-inch pots, April and later delivery, \$2.50 per 100; \$20.00 per 1000. 250 of a variety, or in assortment as ordered, at the 1000 rate.

HELIOTROPE

Dark blue variety. Rooted Cuttings, \$1.00 per 100; \$9.00 per 1000. From 2½-inch pots, \$2.50 per 100; \$20.00 per 1000. 250, either plants or cuttings at the 1000 rate.

Own Root Roses

400 White Killarney...\$4.00 per 100

900 Pink " " 4.00 " "

700 Mrs. Aaron Ward..10.00 " "

Own Root, Good Clean Stock.

Cash from unknown parties

Montrose Greenhouses
Montrose, Mass.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

Sometimes we receive unsolicited testimonials pertaining to Horseshoe Brand bulbs, of which the following letter from Messrs Hall & Robinson, Montreal, Canada, is an example:

Dear Sirs: Just at this time of the year, when Easter lilies hold command, we think is the time to criticize or exploit the quality of the bulbs supplied the florists by the respective dealers. So we just want to tell you that we are delighted with the quality of bulbs supplied by your firm — Giganteum especially. Our entire stock will average 7½ blooms per plant and the plants average 2 ft. high. They are the best lot of lilies we ever had at Easter time since we have been in business. Hoping you will be able to maintain this high standard, we are

Yours truly,

Hall & Robinson,

per G. A. Robinson.

April 10th, 1911.

Besides the above letter we have many other extracts. You will find by inquiring throughout the country that there is no other brand which will average as high a standard of merit as the Horseshoe Brand. When you want good bulbs, please write us.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

*Cold Storage lilies on hand
ready for delivery at
any time.*

Dreer's Select Potted Roses

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.



Hybrid Tea Rose Killarney

Hybrid-Tea Roses. Novelties and Recent Introductions

Strong Two-Year-Old Plants		Each
Comtesse Icy Hardegg (Soupert & Notting 1908).....		\$0.50
Cynthia Ford (H. Dickson 1909).....		.85
Chateau de Clos Vougeot (Pernet Ducher 1908).....		.50
Countess of Gosford (McGredy 1906).....		.35
Duchess of Wellington (Dickson & Sons 1909).....		.85
Dorothy Page Roberts (Dickson & Sons 1907).....		.50
Elizabeth Barnes (Dickson & Sons 1907).....		.50
F. R. Patzer (Dickson & Sons 1909).....		.85
Florence Edith Coulthwaite (Dickson & Sons 1908).....		.65
Grace Molyneux (Dickson & Sons 1908).....		.75
Hon Ina Bingham (Dickson & Sons 1905).....		.50
His Majesty (McGredy 1909).....		.85
Hector MacKenzie (Guillot 1909).....		.50
H. Armitage Moore (H. Dickson 1907).....		.50
Instituteur Sirday (Pernet Ducher 1906).....		.50
James Coey (Dickson & Sons 1909).....		.85
John Cuff (Dickson & Sons 1908).....		.75
Juliet (Wm. Paul & Sons 1910).....	2.25	
Kronprinzessin Cecilie (Schmidt 1908).....		.75
Kaiser Wilhelm II (N. Welter 1909).....		.50
Lady Faire (Bentley 1906).....		.35
Lady Ursula (Dickson & Sons 1908).....		.75
Lina Schmidt Michel (Lambert 1905).....		.50
Laurent Carle (Pernet Ducher 1907).....		.50
Lyon (Pernet Ducher 1907).....		.50
Lady Alice Stanley (McGredy 1909).....		.85
Mrs. Harold Brocklebank (Dickson & Sons 1907).....		.50
Mme. Melanie Soupert (Pernet Ducher 1906).....		.50
Mme. Maurice de Luze (Pernet Ducher 1907).....		.50
Mrs. Peter Blair (Dickson & Sons 1906).....		.35
Marquise de Sinety (Pernet Ducher 1906).....		.75
Margaret Molyneux (Dickson & Sons 1909).....		.85
Mary Countess of Ilchester (Dickson & Sons 1909).....		.85
Mrs. Aaron Ward (Pernet Ducher).....		.40
Mrs. A. R. Waddell (Pernet Ducher 1908).....		.50
Margaret (Wm. Paul & Sons 1909).....		.75
Mrs. Arthur Munt (Dickson & Sons 1909).....		.85
Mrs. Wakefield Christie Miller (McGredy 1909).....		.85
Mme. P. Euler (Guillot 1908).....		.50

Mrs. Alfred Tate (McGredy 1909).....	\$0.85
Mrs. Edward J. Holland (McGredy 1909).....	.85
Mrs. Charles Custis Harrison (Dickson & Sons 1910).....	2.00
May Kenyon Slaney (Dickson & Sons 1910).....	2.00
Otto von Bismarck (Schmidt 1909).....	.50
Reine Marguerite D'Italie (Soupert & Notting 1905).....	.50
Rosa Verschuren (Verschuren 1905).....	.35
Theresa (Dickson & Sons 1908).....	.85
Walter Speed (Dickson & Sons 1909).....	.85

Hybrid-Tea Roses. Select Standard Varieties.

Strong Two-Year-Old Plants.		Per 100
Antoine Rivoire.....	\$30.00	
Bessie Brown.....	30.00	
Betty.....	30.00	
Belle Siebrecht.....	30.00	
Celia.....	40.00	
Caroline Testout.....	25.00	
Dean Hole.....	30.00	
Earl of Warwick.....	30.00	
Ecarlate.....	30.00	
Ellen Willmot.....	30.00	
Edu Meyer.....	30.00	
Florence Pemberton.....	30.00	
Frau Lila Rautenstrauch.....	30.00	
Franz Deegen.....	30.00	
Farben Konigin.....	30.00	
Gustav Gruenerwald.....	30.00	
Grace Darling.....	30.00	
Goldelse.....	30.00	
General MacArthur.....	30.00	
Grand Duke Adolphe de Luxembourg.....	30.00	
Gruss an Teplitz.....	25.00	
Hon. Edith Gifford.....	30.00	
Joseph Hill.....	30.00	
Killarney.....	30.00	
Konigin Carolla.....	30.00	
Kaiserin Augusta Victoria.....	\$25.00	
Lady Ashtown.....	30.00	
La Detroit.....	30.00	
La Tosca.....	30.00	
La France.....	25.00	
Lady Wenlock.....	30.00	
Le Progres.....	30.00	
Liberty.....	30.00	
Mme. Philippe Rivoire.....	30.00	
Mme. Paul Oliver.....	35.00	
" Jenny Gillemot.....	30.00	
" Edmee Metz.....	30.00	
" Jules Grolez.....	30.00	
" Abel Chatenay.....	30.00	
" Ravary.....	30.00	
" Leon Pain.....	30.00	
" Pernet Ducher.....	30.00	
Mildred Grant.....	30.00	
Mrs. John Bateman.....	35.00	
Mons. Paul Lede.....	35.00	
Pharisaer.....	30.00	
Prince de Bulgarie.....	30.00	
Richmond.....	30.00	
Souvenir de President Carnot.....	30.00	
Viscountess Folkestone.....	30.00	



Hybrid Tea Rose, Bessie Brown

Henry A. Dreer, Inc.,

714 Chestnut Street,
Philadelphia, Pa.

The above prices are intended for the trade only.

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING



Rose Mme. Gabriel Luizet

Tea Roses.

Novelties and Recent Introductions.

Strong Two-Year-Old Plants

	Each
Hugo Roller (Wm. Paul & Son 1907).....	\$0.50
Harry Kirk (Dickson & Sons 1907).....	.50
Molly Sharman Crawford (Dickson & Sons 1908).....	.65
Mrs. Foley Hobbs (Dickson & Sons 1910).....	2.00
Nita Weldon (Dickson & Sons 1909).....	1.00

Tea and Other Everblooming Roses.

Two-Year-Old Plants.

		Two-Year-Old Plants.		Per 100
		Per 100		
Catherine Mermet.....	\$25.00	Maman Cochet Pink.....	White.....	\$25.00
Comtesse Riza du Parc.....	25.00	Marie Van Houtte.....		25.00
Corallina.....	25.00	Mme. Joseph Schwartz.....		20.00
Charlotte Klemm.....	25.00	Papa Gontier.....		25.00
Comtesse du Cayla.....	25.00	Queen Mab.....		25.00
Clothilde Soupert.....	25.00	Queen's Scarlet, or Agrip- pina.....		20.00
Duchess de Brabant.....	25.00	Souvenir de Pierre Not- ting.....		30.00
Etoile de Lyon.....	25.00	Souvenir de Catherine Guillot.....		30.00
Francisca Kruger.....	25.00	Safrano.....		25.00
G. Nabonnand.....	25.00	William R. Smith.....		25.00
Hermosa.....	20.00			
Leonie Lamesch.....	25.00			
Mrs. B. R. Cant.....	25.00			

Hybrid Perpetual Roses.

Two-Year-Old Plants.

Per 100		Per 100	
Alfred Colomb.....	\$25.00	Frau Karl Druschki....	\$25.00
Anna de Diesbach.....	25.00	General Jacqueminot....	25.00
Alfred K. Williams.....	25.00	Gloire de Margottin....	25.00
American Beauty.....	25.00	Gloire de Lyonnaise....	25.00
Baroness Rothschild....	25.00	Her Majesty.....	30.00
Camille Bernardin.....	25.00	Hugh Dickson.....	25.00
Capt. Christy.....	25.00	Jean Liabaud.....	25.00
Captain Hayward.....	25.00	Louis Van Houtte.....	25.00
Clio.....	25.00	Magna Charta.....	20.00
Charles Lefebvre.....	25.00	Mrs. R. G. Sharman	
Duke of Edinburgh.....	25.00	Crawford.....	25.00
Earl of Dufferin.....	25.00	Mrs. John Laing.....	25.00
Fisher Holmes.....	25.00	Mabel Morrison.....	25.00
Francois Michelin.....	25.00	Mme. Victor Verdier....	25.00

	Per 100		Per 100
Mme. Gabrielle Lulzet...	\$25.00	Rodocanachl	\$25 00
Marie Baumann.....	25.00	Sollil d' Or.....	30.00
Paul Neyron.....	25.00	Tom Wood.....	25.00
Prince Camille de Rohan.....	25.00	Ulrich Brunner.....	25.00
Queen of Queens.....	25.00	Victor Verdier	25.00

Baby Rambler Roses.

	Per 100
Annenchen Muller, Pink Baby.....	\$20.00
Catherine Zeimet, White Baby.....	20.00
Mme. Norbert Levavasseur, Crimson Baby.....	20.00
Mrs. Cutbush, Cherry-red Baby.....	20.00

Rugosa Roses.

Two-Year-Old Plants.

Two-Year-Old Plants.	
Blanc Double de Coubert.....	\$25.00
Nova Zembla	25.00
Rugosa, Red.....	15.00
" White.....	15.00

Moss Roses.

Strong Two-Year-Old Plants.

Strong Two-Year-Old Plants.		Per 100
Blanche Moreau	.....	\$25.00
Comtesse de Muranaise	.....	25.00
Crested Moss	.....	25.00
Crimson Globe	.....	25.00
Gloire de Mosses	.....	25.00
Princess Adelaide	.....	25.00

Sweet Briar Roses.

Strong, Two-Year-Old Plants.

Strong, Two-Year-Old Plants.	
Refulgence (New), 75 cts. each.	
Anne of Geierstein	\$30.00
Brenda	30.00
Lord Penzance	30.00
Lady Penzance	30.00
Meg Merillies	30.00
English Sweet Briar or Eglantine.....	15.00

Austrian or Yellow Briar Roses.

Two-Year-Old Plants.

Two-Year-Old Plants.	
Austrian Copper	\$25.00
Austrian Yellow	25.50
Harrison Yellow	25.00
Persian Yellow	25.00

Rambler, Hardy and Tender Climbing Roses.

Strong, Two-Year-Old Plants.

American Pillar.....	\$50.00
Baltimore Belle.....	20.00
Crimson Rambler.....	25.00
Climbing Clothilde Soupert.....	25.00
" Caroline Testout.....	30.00
" Belle Siebrecht.....	30.00
" Kaiserin Augusta Victoria.....	35.00
Dorothy Perkins.....	25.00
Delight.....	75.00
Excelsa, \$1.25 each.....	
Flower of Fairfield (Everblooming Crimson Rambler).....	30.00
Gloire de Dijon.....	30.00
Hiawatha.....	25.00
Lady Gay.....	25.00
Marechal Niel.....	30.00
Newport Fairy.....	25.00
Philadelphia Rambler.....	25.00
Prairie Queen.....	20.00
Reine Marie Henriette.....	30.00
Tausendschon.....	25.00
Trier.....	25.00
Veilchenblau (Blue Rose).....	35.00
White Dorothy.....	30.00
White Microphylla.....	25.00
White Banksia.....	25.00
Yellow Banksia.....	25.00
Yellow Rambler.....	27.00

Standard or Tree Shaped Roses.

Good Plants in Seven-Inch Pots.

Good Plants in Seven-Inch Pots.		Per 100
Caroline Testout		\$75.00
Frau Karl Druschki		75.00
Killarney		75.00
La France		75.00
Mme. Jules Grolez		75.00
Ulrich Brunner		75.00

Henry A. Dreer, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only.

Seed Trade

The Weather and Its Effect.

The weather, while pleasant for the most part, remains unseasonably cool, greatly retarding vegetation and affecting local retail trade in practically all parts of the country. There will doubtless be an abrupt change one of these fine days to July temperature and those who are grumbling now about the cool weather will be glad to have a little to temper the heat which no doubt will be uncomfortable to all. Looks very much as if we were going to have a very late season and business will probably extend well into June. Whether the total volume will be equal to last year is problematical, but the chances are that it will not.

Pea and Bean Surpluses.

Notwithstanding the extremely short crop of peas and the great scarcity during the past winter, quite a number of retailers have a surplus to offer at this time, but such offerings are, as a rule, too late to be available for those who could have used them to advantage early in the season. No doubt, the total quantities which will be carried over this year will be small, but each one is eager to dispose of every bushel of surplus at present market values, knowing full well that it may be many years before we again see prices at this season's levels. We have not seen as many surplus lists floating around as usual at this season of the year, but there are a few which of course, could not possibly be omitted by those who send them out. There seems to be beans enough of nearly all varieties to fully satisfy every requirement, and doubtless there will be some surplus carried into the coming year.

Rochester's Convention Prospects.

We are informed that there is to be a meeting of the presidents of the Canners' Machinery & Supplies Association and the Brokers' Association at Rochester the coming week to decide on the place for the next National Canners' Convention. We have expressed the opinion heretofore that Rochester would be the place selected, and there is nothing at the present time to indicate any other conclusion. As soon as the matter has been definitely decided we will be pleased to advise the trade.

Germination of Seed Corn.

There has been more or less fault found with the germinating qualities of seed corn this season, very few samples of the late varieties showing germinating qualities as high as 80 per cent. Notwithstanding this fact, however, there has been comparatively little complaint thus far, but should weather conditions be unfavorable at the time of planting so as to retard the growth to any extent, then complaints will doubtless be many and loud. It is earnestly hoped that the weather and soil conditions will be favorable when the seed is planted so as to derive full benefit from every sound grain planted.

Asparagus Plumosus Nanus Seed

New Crop Just Received

True to Name and of High Germinating Quality

GREENHOUSE HOME GROWN SEED			LATHHOUSE GROWN SEED		
500	Seed.....	\$ 2.25	500	Seed.....	\$ 1.50
1,000	"	4.00	1,000	"	2.75
5,000	"	18.75	5,000	"	13.50
10,000	"	35.00	10,000	"	26.00
25,000	"	83.75	25,000	"	62.50

Send for our Florists' Price List.

HENRY F. MICHELL CO.

518 Market St.

Phila., Pa.

Ohio Seed Bill Criticised.

That Ohio will be taking an unwise step in the passage of the Huber pure seed bill is the belief of Charles Cranston of the Livingston Seed Company. The bill has passed the house and as amended is recommended for passage by the Senate committee on agriculture. The committee struck out section 12, which exempted farmers selling to each other seeds they had grown.

The bill provides for tests by the State Department of Agriculture and the minimum standard is one impure seed in 2,000 seeds sold. Cranston pointed out that the Department of Agriculture would have to be multiplied many times in order to give it enough men to make the tests required. As they could not stop the importation of seeds into the state, Ohio, he said, would become the dumping ground for the bad seed of the entire country.

The enlargement of the department, Cranston declares, might easily cause the building of an unwieldy organization and unscientific methods. "It would make for the wiping out of the Toledo inspection bureau, whose work is accepted all over the world," said he.

Another effect of the high standard, he said, would be to compel the farmer to buy and sell outside the state.—Columbus (O.) Journal.

"Transparent" Seed Packets.

Even the amateur gardener in the rural districts is beginning to wonder at the vagaries of Uncle Sam's post office at Washington, which heretofore they held in high reverence and admiration. A lady in a small village in Connecticut, writing to W. Atlee Burpee & Co., of Philadelphia, says:

"Why do they have such fool laws in the post office? That mentioned in the catalogue about putting seeds in paper that can be seen through! Anyone who ever sent anything or received a package through the mail knows it is necessary to have strong paper. I have often received things where the wrapper was in tatters; the piece with the name fell off. A last Christmas present came 30 miles and the envelope was just ready to drop off, worn through on the edges.

"The fellows who own the P. O. want us to feel subjugated; so they treat the people as if we were all criminals, without any rights."

The New York State Pure Seed Bill. Editor HORTICULTURE.

With further reference to Assemblyman Gregg's pure seed bill, No. 834, I beg to advise that the hearing on this bill at Albany on April 19th was largely attended by the seed trade throughout the state. We have filed a protest against the bill and the matter is now in the hands of the Agricultural Committee, whose decision we are awaiting.

MARSHALL H. DURYEA,
New York State Correspondent of the
American Seed Trade Association.

Notes.

Big Stone, S. D.—The seed and feed business of J. B. Hublou has been purchased by J. A. Wilson.

Lansing, Mich.—The Leonard Seed Co., Chicago, Ill., and Portland, Mich., have incorporated with a capital stock of \$150,000.

We learn that Mr. and Mrs. J. B. Rice are expected home next week. It was reported that they would arrive during the present week, but we are informed that they have been delayed and probably will not arrive before some time during the coming week.

SEEDS BULBS

For Immediate Planting
Finest Florist Strains
"BUDS"

C. R. CLOECKNER, Pres.
76 Barclay Street, New York

NEW CROP FLORIST FLOWER SEEDS

Vinca separate colors and mixed, per ounce 50c.; Verbena Mammoth in colors or mixed, per ounce 60c.; Salvia Splendens, per ounce \$1.25; Bonfire, per ounce \$2.00; Cobaea Scandens, Stocks, Lobelia, etc. Write for wholesale catalogue.

WEEBER & DON

Seed Merchants and Growers, 114 Chambers St., City.

ONION SETS

HEADQUARTERS FOR THE EAST.

We carry large stocks of choice quality at both our Orange, Conn., and New York City houses. Full line all varieties of Garden and Flower Seeds. Trade List on application.

S. D. WOODRUFF & SONS,
82 Dey Street,
Orange, Conn. New York City.

All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
Marigolds, Gourds.

VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
Onions, Peas, Radish, Squash.

Lawn Grass and Clover Seeds, Best
Grades of Farm Seeds.

Dahlias, Tuberoses, Gladioli, Tuberous Begonias
Lycoris, Cannas, Coleus, Geraniums.

Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

JAMES VICK'S SONS

SEEDSMEN

ROCHESTER, N. Y.



BEGONIAS GLOXINIAS

in separate colors

Asters in all varieties and
in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. BOSTON

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

ONION SETS
Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:— I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, MD.

In ordering goods please add "I saw
it in HORTICULTURE."

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., NEW YORK CITY

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

In ordering goods please add "I saw
it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.

913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Greenwich, N. Y.—Alexander Mead, florist, has purchased land on the east side of Greenwich Ave.

East Syracuse, N. Y.—Henry Burt, florist, of Syracuse, has purchased the Benedict Greenhouse and is to erect another house.

San Francisco, Calif.—The new flower store of Pelicano, Rossi & Co., 123 Kearney street, will be known as The Floral Palace.

San Francisco, Cal.—Pelicano Rossi & Co., announce the opening of their new and spacious store at 123 Kearny street on April 10, 1911.

Columbus, Ohio.—John R. Hellen-thal writes that Easter trade for 1911 was the best ever. Good stock, good prices and everybody well satisfied.

STEAMER DEPARTURES

American.

St. Paul, N. Y.-S'hampton...Apr. 29
New York, N. Y.-S'hampton...May 6

Anchor.

Caledonia, N. Y.-Glasgow...Apr. 29
Furnessia, N. Y.-Glasgow...May 6

Atlantic Transport.

Minnehaha, N. Y.-London...Apr. 29
Minnewaska, N. Y.-London...May 6

Cunard.

Franconia, Boston-Liverpool...May 2
Mauretania, N. Y.-Liverpool...May 3
Caronia, N. Y.-Liverpool...May 6

Hamburg American.

Moltke, N. Y.-Mediterr'n...Apr. 29
Pres. Grant, N. Y.-H'm'brg...Apr. 29
Cincinnati, N. Y.-Hamburg...May 6

Holland-American.

Potsdam, N. Y.-Rotterdam...May 2
N. Amst'rd'm, N. Y.-R'd'm...May 3

Leyland.

Winifredian, Boston-Liverp'l...May 3

North German Lloyd.

K. Albert, N. Y.-Mediterr'n...Apr. 29
K. Cecile, N. Y.-Bremen...May 2
G. Washington, N. Y.-Br'm'n...May 4
K'n'g'n Luise, N. Y.-"May 6
K. Wilhelm, N. Y.-Bremen...May 9

Red Star.

Vaderland, N. Y.-Antwerp...Apr. 29
Kroonland, N. Y.-Antwerp...May 6

White Star.

Cedric, N. Y.-Liverpool...Apr. 29
Romanic, Boston-Mediterr'n...Apr. 29
Majestic, N. Y.-S'hampton...May 3
Arabic, N. Y.-Liverpool...May 6
Cymric, Boston-Liverpool...May 9

NEW FLOWER STORES.

Harrisburg, Pa.—J. E. Miller, 19 North street.

Rome, N. Y.—Charles Link, 120 N. James street.

Grand Forks, N. D.—W. C. Johnson, located with Frank V. Kent.

Rochester, N. Y.—The Rochester Floral Co., 12 Clinton avenue.

Evanston, Ill.—The Perennial Garden Store, 1625 Orrington avenue.

San Jose, Cal.—The Chas. C. Navlet Co., corner San Fernando and First streets.

IN BANKRUPTCY.

New Cumberland, Pa.—John A. Kepner, florist, involuntary bankrupt. Liabilities, \$41,000; assets, \$50,000.

Schenectady, N. Y.—Chas. Limmer, florist, has filed a petition in bankruptcy. Assets, \$6,900; liabilities, \$6,337.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trace to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to
New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsflor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN

194 Boylston Street, Boston

LOUISVILLE, KY.

JACOB SCHULZ,

550 South Fourth Ave.

THE Florists' Supply House of America

New Goods for Memorial Day,
Graduations and June Weddings.

**H. BAYERSDORFER & CO., 1129 ARCH STREET
PHILADELPHIA, PA.**

CHICAGO NOTES.

Conservation.

An association with great possibilities was organized in Chicago, April 22nd. It is known as the Illinois Conservation Association, with R. R. McCormick as president. Its object is to guard the public interests of the state in the streams, the submerged lands and natural beauty spots of Illinois. It is non-partisan.

Charity.

The Home for Destitute Crippled Children in Chicago received the benefit of an annual flower sale, which this year made its fifth, on April 22nd, at Lincoln Hall. The receipts amounted to \$1,500 and some of the florists contributed generously.

Philanthropy.

Martin A. Ryerson, a wealthy lumberman, gave the city of Muskegon,

Established 1874.

**JOHN V. PHILLIPS
FLORIST**
217 Fulton St., BROOKLYN, N. Y.
W. A. PHILLIPS, Manager.
TELEPHONE, 319 MAIN
All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher
Estab. 1877

LEADING FLORIST

Amsterdam, N. Y. Schenectady, N. Y.

NEW ENGLAND
FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery
in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3

Mich., a valuable tract of land in the down town district for a small park.

Prosperity.

If any are inclined to believe the use of flowers at funerals is dying out they should have been at the County Hospital on the 21st. While the room already contained all the flowers that could be arranged in it a procession of florists was still arriving with their auto deliveries. Twelve were said to be in line.

Shakespeare Day.

The observance of Shakespeare Day by placing flowers on the monument in Lincoln Park has become an annual event of importance to florists. The floral tributes were very numerous and largely in the form of wreaths. E. Wienhoeber had twenty-seven orders, including one from Madam Sara Bernhardt, which was a large wreath of lavender, yellow and blue iris. A. Lange furnished a beautiful magnolia wreath. Practically all the well known actors of the day sent tokens.

Trade Notes.

Frank Oechslin will begin work very soon on a range of greenhouses.

The southwest side is noted for its small flower stores and it is expected that three more will be opened this spring.

The O. J. Friedman store at 185 Michigan Ave., is now of the past and the old force are retained at the 226 Michigan Ave. store, known as The Congress Floral Co.

The Winterson Seed Store is a very busy place these days and the senior member of the firm, now eighty years old, is as lively as the youngest in looking after the wants of customers. Three car loads of stock from Belgium and Holland arrived this month.

This week will see all the moving florists in their new places of business. The name of J. A. Budlong on the door at 82 E. Randolph is becoming familiar and with him will be located Sinner Bros., Hunt Bros., Frank Beu, M. Gunterberg, Sidney Wippen and H. C. Blewitt. The Chicago Carnation Co. takes their more commodious rooms across the hall where a large, new ice box has been installed and they will have with them Hartha Tonner and A. Frere. It looks now as if the Percy Jones business would be the only one left in the old Flower Growers' Market.

Personal.

Wm. Groff is now with Kennicott

Bros., where he has a permanent position.

H. C. Blewitt of Desplaines is slowly improving, but not yet able to be at the market.

The family of Phil Schup will go to their summer home at Williams' Bay, Wis., about the middle of May.

T. E. Waters has left the A. L. Randall Co. and it is reported that he will go into business for himself.

Geo. Woodward is very ill at the Passavant hospital where he underwent an operation two weeks ago.

W. Lynch, for many years manager of the E. H. Hunt cut flower department, leaves this week and will shortly go into business for himself.

C. Frauenfelder is in Phoenix, Ariz., where he was called by the death of his sister. He is accompanied by his daughter and may visit some other cities before returning.

Visitors: H. Wills, Minneapolis, Minn.; F. L. Tornquist, Benton Harbor, Mich.; Gus. Frederickson, St. Joseph, Mich.; F. Fischer, Evansville, Ind.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Willson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

April 22, 1911.

Editor HORTICULTURE:

I am pleased to say that I consider your paper one of the best Florists' papers I receive, notwithstanding I get them about all.

W. F. A.
Maryland.

BEAUTIES THE BEST

Stems 36 to 48 inches long
Large Flowers Splendid Color
Clean Foliage
\$25.00 per 100

The Leo Niessen Co.
WHOLESALE FLORISTS
1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

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ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED
226 Devonshire Street, Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CHICAGO April 25	TWIN CITIES April 25	PHILA. April 25	BOSTON April 27
Ara. Beauty, Fancy and Special...	25.00 to 31.00	30.00 to 42.00	20.00 to 25.00	20.00 to 25.00
" Extra.....	20.00 to 25.00	25.00 to 32.00	to 15.00	12.00 to 15.00
" No. 1.....	15.00 to 20.00	15.00 to 25.00	to 12.50	8.00 to 10.00
" Lower grades.....	3.00 to 10.00	8.00 to 15.00	to 10.00	4.00 to 6.00
Bride, 'Maid, F. & S.....	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	5.00 to 8.00
" Lower grades.....	3.00 to 5.00	3.00 to 6.00	to 4.00	2.00 to 3.00
Richmond, Chateaux, Fancy & Special	6.00 to 8.00	4.00 to 7.00	15.00 to 20.00	5.00 to 8.00
" Lower grades.....	3.00 to 5.00	2.00 to 4.00	to 8.00	2.00 to 5.00
Killarney, My Maryland, Fan. & Spl.	6.00 to 8.00	6.00 to 8.00	8.00 to 10.00	4.00 to 8.00
" Low grades.....	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
CARNATIONS, First Quality.....	to 3.00	2.00 to 3.00	1.00 to 3.00	1.50 to 3.00
" Ordinary.....	1.50 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	40.00 to 60.00	60.00 to 70.00	50.00 to 75.00	30.00 to 35.00
Lilies, Longiflorum.....	to 10.00	10.00 to 12.50	10.00 to 12.00	5.00 to 8.00
Callas.....	6.00 to 8.00	10.00 to 12.00	to 12.00	5.00 to 8.00
Lily of the Valley.....	8.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Violets.....	.50 to 1.00	.50 to 1.25	to 1.00	.25 to .40
Mignonette.....	3.00 to 5.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Lilac, per bunch.....	to .50	.50 to 1.00	to 1.00	to 1.00
Tulips.....	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.50 to 2.00
Freesia.....	to .50	1.00 to 2.00	to .50	1.00 to 1.50
Daffodils.....	3.00 to 3.00	2.00 to 3.00	to .50	1.00 to 2.00
Daisies.....	1.00 to 1.25	to .50	1.00 to 1.50	.50 to 1.00
Snapdragon.....	6.00 to 8.00	to .50	8.00 to 12.00	3.00 to 5.00
Sweet Peas.....	.75 to 1.25	.75 to 1.40	.50 to 1.50	.75 to 1.50
Gardenias.....	40.00 to 50.00	20.00 to 25.00	12.00 to 25.00	8.00 to 17.00
Adiantum.....	to 1.00	.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Smilax.....	15.00 to 20.00	15.00 to 20.00	25.00 to 30.00	12.00 to 17.00
Asparagus Plumosus, strings (100)	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00	50.00 to 75.00
" " & Soren (100 bchs)	25.00 to 40.00	25.00 to 35.00	to 40.00	40.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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Randolph 2788 Bring in Your Orders. Own Flowers.

In writing to Advertisers kindly mention Horticulture

Flower Market Reports

BOSTON Trade has fallen down this week. The receipts are tremendous and, comparatively, the heavy local production at all points cripples the shipping trade to localities that have been usually good consumers for the Boston accumulations. There is nothing the matter as to quality on any kind of stock; the continued cool weather is favorable to fine production under glass and even violets are being received in acceptable winter quality and quantity. But the violets have outlived their welcome and their place has been usurped by the May-flowers—trailing arbutus—which is also seen in unusually fine quality and with each season shows a strong advancement towards a position as a commercial staple of the wholesale flower houses. Lily of the valley continues to jump and is good property right along. There are barrels of carnations and while a few choice blooms in small lots bring as much as \$3.00 per 100, the greater part of them are unloaded in quantity at an average of about \$1.00. The market is still overcrowded with lilies which, in occasional small orders bring as high as \$8.00 or even \$10.00, but do not command on the average over \$6.00. Sweet peas are booming at profitable figures. So is smilax. Little doing in tulips and daffodils. Asparagus bunches in good demand. Gardenias and cattleyas low and slow.

The Easter report from **BUFFALO** Buffalo showed a very heavy plant trade with an over-supply of lilies and excellent quality and demand on all others. In cut flowers the business was fairly satisfactory considering over-supply on most lines and very unpleasant weather. Violets, lily of the valley and sweet peas were in especial demand. Cut lilies were left on the wholesalers' hands. Receipts were light during the early part of the following week, but in the latter half the bargain signs were again brought out and the accumulation was moved only at a sacrifice.

The week following **CHICAGO** Easter opened with considerable stir in the wholesale market, but by the middle of the week trade dropped off and prices went down. Only the best quality of stock cleaned up, the poorer grades going into the barrel. Carnations lagged the worst and very low prices were made to move large lots. Good tulips held up well, but this week will about finish them. Southern parrot tulips are arriving and meet with much favor. There is a fair demand for daffodils, though all but the single ones will soon be gone. Smilax continues extremely scarce in this market; common ferns still bring four dollars per thousand with quality poor. There were a good many Easter lilies left over, and each day has added more till the supply far exceeds the demand. Special low prices have been made to move them. Callas have fared still worse for nothing yet has found purchasers for them. Sweet peas have sold at good prices more uniformly than has anything else and stock is of good qual-

(Continued on page 651)

SWEET PEAS

Through improved culture and the new introductions, Sweet Peas in all shades are now to be had the year round. At present the Sweet Pea is our typical Spring flower—selling more freely than at any time during the season. A number of our growers are now cutting from the new crops—quality very choice indeed.

Extra Long, - - - - - \$1.50 per 100
Medium Stems, good quality - \$1.00 per 100
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BEAUTIES

Specials, \$25.00 per 100

Plenty shorter ones, also at correspondingly low prices; quality fine in all grades.

Three Splendid New Roses

“MELODY” the best yellow rose today; awarded Silver Medal at the National Flower Show, Boston, 1911.

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“PRINCE DE BULGARIE” entirely different from any rose grown.

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THE Wholesale Florists of PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Av.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI April 25	DETROIT April 10	BUFFALO April 25	PITTSBURG April 25
Am. Beauty, Fan. and Sp.	15.00 to 25.00	35.00 to 50.00	20.00 to 30.00	25.00 to 30.00
“ Extra	8.00 to 10.00	25.00 to 35.00	15.00 to 20.00	20.00 to 25.00
“ No. 1	4.00 to 5.00	15.00 to 25.00	8.00 to 10.00	10.00 to 12.00
“ Lower grades .....	..... to 6.00	6.00 to 12.00	2.00 to 4.00	4.00 to 8.00
Bride, 'Maid, F. & S. ....	..... to 6.00	8.00 to 10.00	6.00 to 8.00	6.00 to 8.00
“ Low. gr.	2.00 to 3.00	4.00 to 8.00	3.00 to 5.00	3.00 to 6.00
Richmond, Chateau, Fancy & Special .....	..... to 6.00	8.00 to 10.00	6.00 to 8.00	6.00 to 12.00
“ Lower Grades	2.00 to 3.00	4.00 to 7.00	3.00 to 6.00	3.00 to 6.00
Killarney, My Maryland, Fan. & Spl. ....	..... to 6.00	8.00 to 10.00	6.00 to 8.00	8.00 to 10.00
“ Low. Grades	2.00 to 3.00	4.00 to 7.00	3.00 to 6.00	3.00 to 6.00
CARNATIONS, First Quality .....	..... to 3.00	3.00 to 4.00	2.00 to 2.50	2.00 to 3.00
“ Ordinary .....	..... to 2.00	2.00 to 3.00	1.50 to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas .....	..... to 8.00	..... to 12.50	6.00 to 10.00	7.00 to 8.00
Lilies, Longiflorum	6.00 to 8.00	..... to 12.50	6.00 to 10.00	7.00 to 8.00
Callas	6.00 to 8.00	..... to 12.50	6.00 to 10.00	7.00 to 8.00
Lily of the Valley .....	..... to 3.00	4.00 to 5.00	3.00 to 4.00	3.00 to 4.00
Violets .....	..... to .50	.75 to 1.00	.40 to .60	.50 to .75
Mignonette	8.00 to 10.00	4.00 to 10.00	2.00 to 3.00	..... to 3.00
Lilac, per bunch .....	..... to 1.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
Tulips	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
Freesia .....	..... to 1.00	..... to 3.00	..... to 3.00	..... to 3.00
Daffodils .....	..... to 2.00	..... to 3.00	2.00 to 3.00	3.00 to 4.00
Daisies .....	..... to .50	.50 to 1.00	1.00 to 1.50	1.00 to 1.50
Snapdragon	8.00 to 10.00	4.00 to 8.00	5.00 to 6.00	6.00 to 8.00
Sweet Peas .....	.25 to .75	.75 to 1.50	.50 to .75	.25 to .50
Gardenias .....	..... to 1.00	1.00 to 1.50	2.00 to 2.50	2.50 to 3.00
Adiantum .....	..... to 1.00	1.00 to 1.50	1.50 to 2.00	1.50 to 2.00
Smilax	1.00 to 1.50	1.50 to 2.00	2.00 to 2.50	2.00 to 2.50
Asparagus Plumosus, strings (100) to 5.00	20.00 to 40.00	40.00 to 60.00	40.00 to 60.00
“ “ & Spreng. (100 bchs.) to 25.00	20.00 to 30.00	35.00 to 50.00	25.00 to 40.00

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Successor to
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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Apr. 22 1911	First Half of Week beginning Apr. 24 1911
American Beauty, Fancy and Special.....	10.00 to 20.00	10.00 to 20.00
“ “ Extra.....	5.00 to 12.00	8.00 to 12.00
“ “ No. 1.....	4.00 to 6.00	4.00 to 6.00
“ “ Lower Grades.....	1.00 to 2.00	1.00 to 2.00
Bride, 'Held, Extra and Special.....	4.00 to 5.00	4.00 to 5.00
“ “ Lower Grades.....	.50 to 1.00	.50 to 1.00
Richmond, Chatsenay, Extra and Special.....	4.00 to 8.00	4.00 to 8.00
“ “ Lower Grades.....	.50 to 2.00	.50 to 2.00
Killarney, My Maryland, Extra and Special.....	3.00 to 5.00	3.00 to 5.00
“ “ Lower Grades.....	.50 to 1.00	.50 to 1.00
Carnations, First Quality.....	1.50 to 3.00	2.00 to 3.00
“ “ Ordinary.....	.75 to 1.00	.50 to 1.00

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CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.



Flower Market Reports

(Continued from page 649)

ity. The first out-door lilacs were seen in the market this week but did not sell readily. Iris so far has been a disappointment, the price being low and sales slow. The probable cause is the great abundance of all other kinds of stock.

The first days of the week were extremely quiet, being right after Easter and carnations accumulated to the danger point. Towards the middle of the week things began to enliven perceptibly so that very little was left over at the wholesale houses and retailers had a chance to look back to a successful week. Lilies at present are a glut on the market. Smilax, on the other hand, has reached highest price for many a month. While florists throughout the country are reporting a very prosperous Easter, it seems a rather uncertain way of judging business conditions. Not disputing the reports at all the real point is—what was the concrete result or in other words the actual profit made? That, these reports do not show. Neither individually nor collectively can we judge the benefits derived from Easter nor the prosperity of the tide at large unless the percentage of profit is given.

FRANK DANZER.

The long delayed warm sunny spring weather which has now come is not likely to have any beneficial effect on the flower business. If the production has been far in excess of the demand through the cold and dismal days which have been the rule up to the present time, what is the outlook for the benign summer days that we are now experiencing? There have been avalanches of flowers of all kinds and an outlet at any reasonable rate was out of the question. The situation is now intensified. Roses of all varieties and grades, carnations, lilies, violets, etc., are all accumulated in every wholesale establishment. Sweet peas, lily of the valley and smilax and other greens bring the only ray of sunshine to the wholesalers' daily grind just now.

Movings are in order, and 28th street especially will in a few days have undergone another transformation. Growers' Cut Flower Company and A. H. Langjahr migrate to the next block, west. James McManus moves from No. 42 to No. 55, which Langjahr vacates, and if you want orchids don't forget the number.

MICHIGAN CUT FLOWER EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
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WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
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WILLIAM F. KASTING Co.
Wholesale Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr 22 1910		First Half of Week beginning Apr 24 1911	
Cattleyas.....	35.00	to 75.00	35.00	to 75.00
Lilies, Longiflorum.....	3.00	to 5.00	4.00	to 5.00
" Lancifolium.....	2.00	to 3.00	2.00	to 3.00
Lily of the valley.....	2.00	to 4.00	2.00	to 4.00
Violets.....	.15	to .30	.15	to .30
Mignonette.....	1.00	to 4.00	1.00	to 3.00
Lilac, per bunch.....	.50	to .75	.50	to .75
Tulips.....	1.00	to 2.00	1.00	to 2.00
Daffodils.....	1.00	to 1.50	1.00	to 1.50
Freesia.....	1.00	to 1.50	1.00	to 1.50
Daisies.....	.50	to 1.00	.50	to 1.00
Snappedragon.....	2.00	to 4.00	2.00	to 4.00
Sweet Peas.....	.75	to 1.00	.75	to 1.00
Gardenias.....	15.00	to 25.00	15.00	to 25.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	10.00	to 12.00	10.00	to 12.00
Asparagus Plumosus, strings.....	20.00	to 30.00	20.00	to 30.00
" & Sp. en. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

Sauer moves up one flight in the Cogan Building. Among the retailers there is also something doing, McConnell, Thorley and Leikens all going to new locations as recently noted in this paper.

The volume of business for the past week was larger than the post-Easter period, but the quantity of stock arriving was also greatly in excess—especially in roses—and prices sagged considerably. Roses of all kinds, American Beauty included, were in immense supply. Towards the end of the week vast accumulations of unsold surplus went to the speculators at any absurd figure they were willing to give. Carnations, while bad enough, did not reach these lowest depths. They were plentiful, but not so much so as the week before. American Beauty is as fine now as at the height of its winter glory and can be had in all grades—long, medium and short, all top-notch. On this item a few of the new crop flowers are already to be seen on the market. In the midst of the general gloom as to prices there were three little sunshiny places occupied respectively by the sweet peas, the orchids and lily of the valley. These three were in great demand and were the only items on which the dealers could stand by their guns and get quoted rates. The market held stiff on them and everything was cleaned up. In sweet peas the long stems went best and although there was a good percentage of shorts, even these found a market before all was over. Gardenias and white lilac are still in fine shape and hold their own with other seasonable staples. Lilies are still plentiful and as is usual after Easter are going slow in the wholesale centers. Many of the retailers are still cutting from the left-over plants.

Greens are none too plentiful. Wild smilax being over causes a better demand on other decorative greens and this situation will probably continue for some time. New crop dagger ferns made their appearance this week.

(Continued on page 657.)

THE BEST LETTERS

FOR THOSE
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USE BY THE

Boston Florist Letter Co

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Wired Toothpicks

Manufactured by
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10,000... \$1.75; 50,000... \$7.50. Sample free.
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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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B. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGERATUMS

Ageratum Stella Gurney, strong, 2c. C. H. Jacobs, Westfield, Mass.

Ageratum. Rooted cuttings, \$5.00 per 1000. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

ALTERNANTHERAS

Alternanthera, 2 inch, red and yellow, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

AMPELOPSIS VEITCHII, 2 year, 18 to 24 inch tops, \$1.75 per dozen, \$12.00 per 100. Our new trade list of everything you need now ready, mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ARAUARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengeri, strong, thrifty, 2½ and 3-in., 3c and 4c. Cash.
John F. Flood, Montvale, Mass.

Asparagus S., 4 inch, at \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ASPARAGUS SPRENGERII, 2½ inch pots, \$2.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
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SPRINGFIELD, OHIO.

AQUATICS

Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ASTER SEED

Elmer D. Smith & Co., Adrian, Mich.
For page see List of Advertisers.

James Vick's Sons, Rochester, N. Y.
High Grade Asters.
For page see List of Advertisers.

AZALEAS

P. Onwerkerk, Hoboken, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
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BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Tuberous Rooted Begonias.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

Begonia luminosa, pink and red, 2½-in. pots, \$2.50 per 100; 3-in. pots, \$4.00 per 100. Cash with order or satisfactory references. John Boehner, 18 Obell Ct., Dayton, O.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.

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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. Julius Roehrs Co., Rutherford, N. J.

BULBS AND TUBERS

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Joseph Breck & Sons, 47-54 N. Market St., Boston.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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CANNAS

Wood Bros., Fishkill, N. Y.

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The Cummings Co., Inc., Meridian, Miss.
Canna Roots.

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53 "Best Cannas in the World." Send for price list. The Conard & Jones Co., West Grove, Pa.

Cannas, 4 inch, under name Extra Strong, \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.
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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galenburg, Ill.

CARNATIONS

Chas. H. Totty, Madison, N. J.
Carnation White House.

F. Dörner & Sons Co., Lafayette, Ind.
New Carnations.

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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.

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Wood Bros., Fishkill, N. Y.

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Poehlmann Bros., Morton Grove, Ill.

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Harlowarden Greenhouses, Greenport, I. I., N. Y.

Bargain in Carnation Plants.

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New and standard carnation rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

We have a fine lot of Enchantress rooted cuttings to offer at \$3.00 per 100, \$25.00 per 1000.

Nixon H. Gano, Martinsville, Ind.

THE NEW HARDY EVER-BLOOMING CARNATION "CRIMSON KING."

Everybody has asked for a Carnation that would live out in the garden during the winter. We have pleasure in offering this new plant, as it will fill the bill. It is absolutely hardy, standing even the Canadian winters in the yard. It blooms all summer long; never a day that you cannot cut blossoms. By potting up in the fall you can have flowers in the house all winter. The color is a rich crimson, the fragrance is delicious. We know of no plant that the florists can offer to their patrons that will give as much satisfaction as the Hardy Carnation Crimson King. Per dozen, \$1.25; per 100, \$8.00; per 1000, \$75.00. Twenty-five plants sold at hundred rates; 250 plants at thousand rates.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CHRYSANTHEMUMS

Chas. H. Totty, Madison, N. J.
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Wood Bros., Fishkill, N. Y.
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S. J. Reuter & Son, Inc., Westerly, R. I.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Chrysanthemums, rooted cuttings. R. Halliday, Amorita, Dr. Enguehard, Ivory, J. Jones, White Jones, Minnie Bailey, Bounaffon, Rosiere, Polly Rose, Mrs. Lotz, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

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CHRYSANTHEMUMS—Continued

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

CINERARIAS

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Cinerarias, Columbian. Strong 2½-in., \$2.50; 3-in., \$3.50, 100. Wm. Dethlefs, Mitchell, S. Dak.

CLEMATIS

CLEMATIS PANICULATA GRANDIFLORA, strong, one-year field grown, \$6.50 per 100, \$60.00 per 1000.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

10,000 Clematis paniculata seedlings (I grow my own seed), \$7.50 per 1000. Clematis paniculata, out of 2-in. pots, \$20.00 per 1000. Cash with order.

S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

COBAEAS

Cobaeas, 4 inch, at \$10.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

COCONUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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CONIFERS

Eastern Nurseries, Jamaica Plain, Mass.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors. 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acton, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

Dahlia Bulbs for retail trade, \$3 per 100, \$25 per 1000. Each bulb labeled with name, variety and color; 100 lots will contain 5 each of 20 varieties, including Cactus, Show, Decorative, etc.

C. Peirce, Dighton, Mass.

DAISIES

Daisies, Marguerites, 4 and 4½-in., nicely budded, \$10.00 per 100. Cash.
John Fuhlbruegge, Winona, Minn.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
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John Scott, Brooklyn, N. Y.
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DRACAENAS

Dracaena indivisa, 4 in., \$8.00; 5 in., \$18.00 and \$20.00; 6 in., \$25.00 and \$30.00 per 100. C. H. Jacobs, Westfield, Mass.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

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Frank Oechlein, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.
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Thomas Roland, Nahant, Mass.
Boston and Scotti Ferns.
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Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. F. M. Soar, Little River, Fla.
Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Short Hills, N. J.

5000 Boston ferns, choice plants, 6 inch, 25c.; 2500 strong runners, Boston and Whitmanii, ready for 2½ and 3 inch, choice stock. Cash.
A. G. Lake, Wellesley Hills, Mass.

Fine stock from 2½ inch pots, ready now. NEPHROLEPIS ROOSEVELT (the Fountain Fern).

(New). See display advertisement in the April 8 issue of HORTICULTURE. The grandest of all ferns. We book your order now for June 1st delivery. \$3.50 per dozen, \$25.00 per hundred, \$200.00 per thousand.

NEPHROLEPIS BOSTONIENSIS (the Boston Fern), \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS DAVALLOIDES FURCANS (the Fish Tail Fern), \$4.00 per 100.

NEPHROLEPIS GOODII (the Baby's Breath Fern), an improved Amerpohlii. \$1.00 per dozen, \$7.00 per hundred.

NEPHROLEPIS SCOTTII (the Newport Fern), \$4.00 per hundred.

NEPHROLEPIS SPRINGFIELDII (the Springfield Fern), upright fern for vases. \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS SUPERBISSIMA (the Fluffy Ruffles Fern) (New), \$1.00 per dozen, \$6.00 per hundred.

NEPHROLEPIS WHITMANII (the Ostrich Plume Fern), \$3.50 per 100.

NEPHROLEPIS HARRISII (the Harris Fern), a sport from Boston of stiff, upright growing habit, \$4.00 per 100. \$35.00 per 1000.

For larger size ferns write for prices. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 65 Pearl St., Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS' PRINTING

Best printing at lowest price. Ask for samples. Prompt service. Many original cuts. O. K. Fink, Pottstown, Pa.

FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT BASKETS AND CRATES.

Webster Basket Co., Webster, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.
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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geraniums. Mme. Sallerot, 2½-in., strong cool grown plants, \$2.00 per 100; special price on 1000.

J. L. Stone, Trumansburg, N. Y.
Geranium Mme. Sallerot, strong, cool grown, heavy stock, ready immediate shift; few thousand left, must go, \$2.00 100, special price 1000. Cash please. Satisfaction guaranteed. Round Lake Greenhouse, East Lenox, Pa.

In writing to Advertisers kindly mention Horticulture

GLADIOLI

Gladiolus Bulbs. Groff's Hybrids, white and light, pink and shades of pink; 1st size, \$7 per 1000; 2nd size, \$4 per 1000. Blue belltrope and lavender mixture, \$10 per 1000, 1st prize; 250 at 1000 rates. C. Peirce, Dighton, Mass.

Send for our list of choice gladioli and dahlias. Cushman Gladiolus Co., Sylvania, O.

GLASS

Boston Plate & Window Glass Co., Boston. For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston. For page see List of Advertisers.

Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago. For page see List of Advertisers.

Sharp, Partridge & Co., 22d and Lumber Sts., Chicago. For page see List of Advertisers.

Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y. For page see List of Advertisers.

Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa. Peerless Glazing Point. For page see List of Advertisers.

GLOXINIAS

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GREENHOUSE BUILDING MATERIAL

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Foley Mfg. Co., Chicago. Pecky Cypress for Benches. For page see List of Advertisers.

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Lord & Burnham, 1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York. Designer and Builder. For page see List of Advertisers.

Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y. King Channel Gutters. For page see List of Advertisers.

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Florists' Hall Assn. of America. J. G. Esler, Saddle River, N. J. For page see List of Advertisers.

HARDY DELPHINIUMS

Henry A. Dreer, Inc., Philadelphia, Pa.

HARDY FERNS AND SUPPLIES

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Michigan Cut Flower Exchange, 28 and 40 Broadway, Detroit, Mich. For page see List of Advertisers.

The Kervan Co., New York. For page see List of Advertisers.

HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago. For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, New York.

HELIOTROPES

Heliotrope, dark blue, 2½ in., \$2.00 per 100; 3¼ in., \$6.00. Very bushy rooted cuttings, 65 cents per 100. Cash. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J. For page see List of Advertisers.

New England Nurseries, Bedford, Mass. For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J. For page see List of Advertisers.

HOLLYHOCKS

George F. Kimbel, Flourtown, Pa. For page see List of Advertisers.

Hollyhocks. Double field grown, large blooming size. Separate colors: Red, white, pink, yellow, maroon, bronze and black; also Allegheny strain in mixed colors. All at \$3.00 per 100; \$25.00 per 1000. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

HOSE

H. A. Dreer, Philadelphia, Pa. For page see List of Advertisers.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass. For page see List of Advertisers.

Foley Mfg. Co., Chicago. For page see List of Advertisers.

Parshelsky Bros., Brooklyn, N. Y. For page see List of Advertisers.

Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA (Hills of Snow) (New), 2-year-old field grown, 3 to 5 canes, \$2.00 per dozen, \$12.00 per hundred.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO., The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

INSECTICIDES

Eastern Chemical Co., Boston, Mass. Imp. Soap Spray.

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Nicotinide kills all greenhouse pests. P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Kiln-dried Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.

Aphine.

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To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.

Tobacco Powder.

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Cramer Mfg. Co., Freeport, Ill.

"None Such" Insecticide.

GYPSY MOTH CREOSOTE

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs.

Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IVIES

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

HARDY ENGLISH IVY.

3 plants out of 3-in. pots, 12 to 16 in. long, \$5.00 per 100. Cash with order. S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

WANTED Several thousand English Ivies, 4-in. pot plants or field-grown plants. Give price per 1000. Wm. Plumb, South Natick, Mass.

JAPAN MAPLES

Japan Maple in leaf, 6 inch, \$1.00 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

KENTIAS

A. Leuthy & Co., Roslindale, Mass. For page see List of Advertisers.

Boblink & Atkins, Rutherford, N. J. For page see List of Advertisers.

LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.

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LANTANAS

Lantana St. Louis, 2½-in. pots, \$2.50 per 100. Cash with order or satisfactory references.

John Boehner, 18 Obell Ct., Dayton, Ohio.

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y. Horse Shoe Brand. For page see List of Advertisers.

LILY OF THE VALLEY CLUMPS

Wm. Elliott & Sons, New York. For page see List of Advertisers.

Lily of the Valley Clumps, \$6.00 per 100. Julius Roehrs Co., Rutherford, N. J.

MASTICA

F. O. Pierce Co., New York, N. Y. For page see List of Advertisers.

MOON VINES

Godfrey Aschmann, Philadelphia, Pa. For page see List of Advertisers.

IPOMEA MAXIMA, the giant flowering, flowers twice the size of the old variety. Order now as there are never enough moonvines to go around. 2½ inch pots, \$4.00 per 100; the old variety, \$3.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO., The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

MYRTLE

STRONG FIELD-GROWN PLANTS. \$2.50 per 100; \$22.00 per 1000.

E. K. MOONEY.

MADEIRA NURSERIES, MADEIRA, O.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

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Hardy, Northern Grown Stock.

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Eastern Nurseries, Jamaica Plain, Mass.

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McHutchison & Co., New York, N. Y.

Direct Importations.

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125,000 Shrubs. Send for price list. The Conard & Jones Co., West Grove, Pa.

TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS. Ellwanger & Barry, Rochester, N. Y.

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NURSERY STOCK—Continued

Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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S. D. Woodruff & Sons, New York, N. Y.
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Choice, sound, unsprouted onion sets. Yellow, \$1.20; red, \$1.25; white, \$1.60 per 52 lb. bushel. Sacks included. Sluis Seed Store, 544 W. 63rd St., Chicago.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Wanted—To buy orchids, established or unestablished plants, any quantity for cash. E. L. N., 486 Broad St., Providence, R. I.

PALMS

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.
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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies, \$3.50 per 1000; 100 prepaid, 50c. Chas. Frost, Kenilworth, N. J.

Pansy plants, strong, transplanted, in bud, set out in flats in cold frames, \$1.00 per 100; \$8.00 per 1000. A few hundred extra heavy, well branched cold frame plants at \$1.25 per 100.
Russell Bros., Route 4, Syracuse, N. Y.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Write for our special price list on peonies. We have all the good ones. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHLOX

Surplus stock. Phlox, all colors mixed, cheap. Also gladiolus bulbs. Write for prices.

E. T. Flanagan & Sons, Belleville, Ill.

We offer fifty thousand hardy phlox in 10 leading varieties, all colors, field grown plants, \$3.00 per hundred, \$27.50 per thousand. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PLANT STAKES

Seale's Telescopic Plant Stakes and Trellises. H. D. Seale & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

200,000 California Privet, fine 2-year-old stock, No. 1, 18 to 24 in., \$13.00 per 1000; 24 to 30 in., \$18.00 per 1000; 2½ to 3 ft., \$22.00 per 1000; 3½ to 4 ft., 3-year-old, \$30.00 per 1000. 100 rates, \$1.75, \$2.25, \$2.75, \$4.00, up to 250. Clematis Paniculata XXX, fine 2-year-old vines, \$9.00 per 100. Ampelopsis Veitchii, extra fine 2-year-old vines, 2½ to 4 ft., \$9.00 per 100, and fine 1-year-old vines, 2 to 3 ft., \$4.00 per 100. All field grown and packed free for cash. Benjamin Connell, Florist, Merchantville, N. J.

RHODODENDRONS

John Waterer & Son, Bagshot, England
Hardy and Forcing Varieties.
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The Shatemuc Rose.

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Roses for 1911.

Montrose Greenhouses, Montrose, Mass.
Own Root White and Pink Killarney and Aaron Ward.
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50,000 Roses, assorted. Send for price list. The Conard & Jones Co., West Grove, Pa.

Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIAS

Salvias, 2 inch, at \$20.00 per thousand. The Geo. Witthold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

Salvia splendens seedlings, transplanted in soil, \$1.50 per 100; smaller stock, transplanted, \$1.00.

Russell Bros., R. D. 4, Syracuse, N. Y.

Salvia Bonfire (C. Bedman), per oz., \$1.00; per lb., \$14.00; by mail at above prices.

Improved Crosby sugar corn. An all season's corn of the highest quality, will mature if planted as late as the 15th of July in this latitude. Hard shelled, \$2.50 per bu.

Chas. B. Hornor & Son, Mt. Holly, N. J.

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SEEDS

ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.

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C. H. Gardiner, South Pasadena, Calif.

SNAPDRAGONS

Soapdragon Walke Seedling, pink, first prize National Show. Rooted cuttings, \$2.00 per 100. Cash. Ready in May. Loring Ave. Conservatories, Salem, Mass.

SPIREA

Spiraea Gladstone in bud; nice plants, \$4.00 per dozen; in bloom \$6.00 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Booking orders for tomatoes in 2-in., \$1.00 per 100; 2½-in., \$1.50 per 100; 3-in., \$2.00 per 100. Also other vegetables and bedding plants. Guaranteed all satisfactory.

H. Klahr, Schoharlie, N. Y.

Spring grown Jersey Wakefield cabbage plants, transplanted and cold frame hardened. Extra fine stock, 50c 100, \$4.00 1000. Russell Bros., R. D. No. 4, Syracuse, N. Y.

VENTILATING APPARATUS

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VINCAS

Vinca variegata, 2 inch, 2 cts.; rooted cuttings, \$1.00 per 100. Russell Bros., R. 4, Syracuse, N. Y.

VIOLETS

For Sale—Violet Plants: Princess of Wales, Luxonne, California; well rooted plants, clean and healthy, \$1.00 per hundred, \$8.00 per thousand. Cash with order. Jacques Gillmet, Moylan, Del. Co., Pa.

WILLOWS

2000 Willow, fine clean stock. 500 Laurel Leaved, 8 to 10 ft., \$20.00 per 100. 100 Golden Barked Willow, 6 to 8 ft., \$12.00 per 100. 1400 Laurel Leaved, 2 to 3 ft. bushes, \$8.00 per 100. Cash with order. Jesse Pierce, Beverly Farms, Mass.

WIREWORK

Reed & Keiser, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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Do You Know What You Want?

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Flower Market Reports.

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The wholesale markets ST. LOUIS carried a great amount of stock all of last week at greatly reduced prices from the previous week. The local store men thought there would be a scarcity of stock from local growers after the hail storm, but it came in heavy on everything that was seasonable. The glut includes lilies, special Beauties, sweet peas, carnations, Killarney, Bride and Bridesmaid roses, lily of the valley, etc., all at very low figures. Violets have about finished. Tulips are fine. Smilax, asparagus and all greens sell well.

IRON VASES



Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

Over 100 styles and sizes
\$3.00 to \$75.00 each

Write for price list to

WALBRIDGE & CO.
BUFFALO, N. Y.

Make the Farm Pay



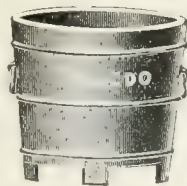
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Dept. H. A. Springfield, Mass.



Write for Catalogue

Tree tubs and brass hoop Jardiniers with extension stave foot

The American Wooden-Ware Mfg. CO.,
Toledo, Ohio, U. S. A.

FOR SALE

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write **FARSHESKY BROTHERS, INC.,** 50 Montrose Ave., Brooklyn, N. Y.

MISCELLANEOUS

WANTED—Several thousand English Ives, 4-in. pot plants or field-grown plants. Give price per 1000. Wm. Plumb, South Natick, Mass.

HELP WANTED

HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. **National Labor Exchange, 918 Walnut St., Phila., Pa.**
HENRY C. PRICE

WANTED—A gardener that understands planting and care of outdoor flowering crops and shrubbery. All outdoor work. One willing to work. With board. Single man preferred. Address E. C. Ludwig Floral Co., 710 E. Diamond St., N. S. Pittsburgh, Pa.

WANTED—An assistant florist at once at Connecticut Agricultural College. A single man having one or two years' experience can fill the position. Must be of good habits. Address reply, stating experience and salary expected to A. G. Gulley, Agricultural College, Storrs, Conn.

WANTED—A sober and industrious all-round man in a retail florist establishment where a general variety of stock is grown. If married, no family. Geo. E. Felch, Ayer, Mass.

MAN with some experience in landscape or ornamental gardening; able to sell goods. Excellent opportunities to advance. "F. D." care HORTICULTURE.

HELP WANTED—An experienced plant grower to work under foreman; send references and wages expected to Thomas Roland, Nahant, Mass.

WANTED—Man with general knowledge of ornamental nursery stock, landscape planting, etc. Address N. D. Pierce, Norwood, R. I.

SITUATIONS WANTED

SITUATION WANTED—By a young man, age 18, in a private garden; 3½ years' experience. Good references. T. Hurley, care Mr. Orr, 20 Chestnut Street, Charlestown, Mass.

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HORTICULTURE

Vol. XIII.

MAY 6, 1911

No. 18

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PACKING PEACHES

The farmer usually just fills up his peach basket and that is the last of them. We have not got them to handle this way at this date. We might say a peach is a peach and every one counts. Care must be taken when taking them off the tree. Give each one a gentle twist. Have a box or a basket ready, lined with cotton

wool, and a sheet of oil paper on top, to carry them away with. Wooden boxes should be made specially, deep enough to carry one layer of fruit—say 18 x 12 x 5. These can be packed in trunks or other boxes. A larger box causes more weight to bear on the fruit. Line the bottom with cotton wool. Cut oil paper up into squares large enough to cover three-quarters of the peach. Place the fruit in the center, wrap the paper around and also a fair thickness of cotton and place in rows in the boxes. This leaves the top of the fruit exposed. A large piece of oil paper can be laid over the whole box and enough cotton wool to fill in. Make the whole firm, but not hard enough to bruise. This allows of the top packing being taken off and the box placed in a cellar or ice box until fruit is wanted, thus saving once handling. Select fruits which are under-ripe for shipping.

ICE BOXES

Now that the warmer weather is coming all eyes will be turned to the ice box. All fruit grown under glass will be greatly improved by being placed on the ice for five or six hours before using. Melons, especially, firm up and the flavor is improved. Avoid gathering any fruit through the middle of the day, early morning being the best time. Fruit which has been packed should be given air and allowed time to firm up before using.

George H. Benson

Manettia bicolor

Among the many good things at the national show recently held in Boston I noticed a plant of the fine old-fashioned climber *Manettia bicolor*. This very attractive plant ought to be taken up by florists, as it is easily trained to any desired shape, and a good specimen will always be admired. Also if pinched severely, nice little plants can be had in small pots, in bush form.

Manettia bicolor belongs to a genus of herbaceous climbers found in tropical America and sub-tropical Australia, but it grows well in this country in a night temperature of 55 degrees, rising to 70 or 75 during the day. Flowers are to be found on this plant at all times, but I have seen it especially well flowered from Christmas until late spring. The flowers are bright scarlet at the lower portion, turning to yellow at the mouth of the tube, hence the name *bicolor*.

Propagation is effected by cuttings procured from a portion of the stem cut into convenient lengths. The cuttings will root in three weeks in an ordinary propagating bed. Peat, loam and sharp sand in equal parts is the best potting material, but where peat is not available, half-decayed leaves will prove a good substitute. After the plants are potted into five-inch pots or over, one-third of well decayed cow manure can be added to the compost, and when the desired size of pot is attained they ought to be fed twice a week with manure water; also a little fertilizer may be applied occasionally.

George F. Stewart

West Medford, Mass.

HORTICULTURE

VOL. XIII

MAY 6, 1911

NO. 18

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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annually-recurring spring pest, with its disheartening accompaniment of blasted fruit prospects, as well as ruined wistarias, magnolias and other prized gems of the early garden. But now, as we write, comes the news of a devastating freeze with snow in its train, extending over the entire west and bound east. It is to be hoped that this unwelcome visitor may be dismantled and broken up before it has done any serious damage. We can all agree with Shakespeare as to the incongruity of "a snow in May's new-fangled mirth." A frozen landscape in the time of cherry blossoms is the worst kind of a misfit.

An ever-narrowing sphere

Mr. Chopin, in his paper on the flower trade of New Orleans which appears in this issue, touches on some things that are not exclusive to that city. New Orleans and other cities similarly dependent upon remote sources for their supply of cut flowers are just passing through the experiences that many other places formerly so situated have gone through and the outcome will, in every case, undoubtedly be the same—the establishment of local means of supply and a gradual withdrawal of the regular support heretofore extended, of necessity, to distant shipping centres. Any place where there is a considerable flower-buying public is bound to become restive, sooner or later, under the constraint of imported flowers and this fact, constantly forced upon the attention of the shipping trade, is one of the most disturbing features of the wholesale dealers' existence. While it is undeniable that the now defunct flower-shipping industry of certain eastern centres did most of the digging for its own grave, yet the movement everywhere must be in the direction of shorter and shorter distances between producer and consumer, regardless of care in packing and attention to minute detail, and, as shipping demands gradually narrow down to special emergencies and scarce items, the responsibility of using up the product must fall eventually upon the home market.

An expensive salesman

We have always leaned towards the conviction that the selling market was a costly place at any season of the year for a flower grower in which to spend much of his time. The most prosperous growers will, as a rule, be found right at home watching every detail of their growing establishment and fully alive to the fact that in regularly absenting themselves from the same they are paying a ruinously extravagant price for the privilege of being salesman. Especially at a time like the present when the plans and foundations for next season's business must be put in motion and when, with overstocked markets, goods are only unloaded in bulk at sacrifice figures we cannot see how any grower who aims to lead in the quality of his product can afford to devote the best hours of the day in clerking in the market and leaving the conduct of his place to subordinates. Thoughtful proprietors are coming to realize this fact more clearly than heretofore, judging from the constantly increasing number who are adopting the system of sending their goods to be disposed of by a regular salesman working on a salary or a commission. We refer now particularly to the Boston markets but have no doubt the tendency will be noted elsewhere in greater or less degree. We have no prejudices in the matter and have no intention of making a plea for any particular interest. There may yet be perfected much better and more economical methods of marketing cut flowers than have thus far been tried. We would simply put forth the proposition that the grower who does justice, personally, to his home establishment will find very little time at his disposal for the haggle and barter of the city market place.

Interest the colleges

Our reading notes show that horticulture and its branch, floriculture, are making good progress as live departments in the State College of Pennsylvania, as is also the case in a number of Agricultural Colleges in other States. Now is the time, when the students are evincing an interest in such work and the governing bodies are recognizing its claims, for the friends of horticulture to get busy and insist upon a reasonable share of the appropriations being devoted to practical horticultural teaching and demonstration.

A visitor to be dreaded

One year ago, last week in April, the entire country, more particularly the southern and western sections, suffered severely from a sudden freeze of unparalleled ferocity, for so late a date. Considering the backward season this year and the slowness with which spring verdure has materialized we have been hoping that we should be spared the ravages of this almost

Seasonable Notes on Culture of Florists' Stock

ACACIAS

All these plants that were unsold at Easter should be pruned into shape by cutting them back to about half of the previous summer's growth. Where they are pot-bound they should be shifted into larger pots. A good compost to use is turfy loam four parts, leaf mold two parts, peat one part, and enough sand to keep the whole open, as these plants are thirsty subjects. After potting give them a genial temperature of about 55 degrees at night with plenty of syringing and abundance of air which will encourage the new growth to break away. By the end of May they can be plunged outdoors. Choose a place where the water will not stand, for the copious watering and syringing that acacias need daily would soon ruin them if not given a place of good drainage. Don't plunge them too closely together for they will make good growth during the summer. Each plant should be allowed enough space so that the light and sunshine will get between. Give them a good syringing every day during the summer.

BEDDING PLANTS

Where you have room to spare in your propagating bench put in cuttings of ageratums, begonias, achyranthus, coleus, heliotropes, petunias, double sweet alysum, verbenas, etc. as there is a call for this class of stock away into June. By this time you will find yourself crowded for bench room, so this is where your hotbeds will come into play. There is no better place for all such stock as alternantheras, cannas, coleus, geraniums, begonias, etc., than a mild hotbed and with a little care as to watering and ventilation they will be better off here than indoors. All half-hardy stock can now be removed to frames to make room inside for other stock yet to be pricked or potted up from flats. There is no better place for this class of stock as they will become hardened up before they go out into the open air. The more important kinds of bedding plants are now beyond their last shift, such as are in 3 or 4-inch pots. On all bright days they will dry out remarkably fast, so will need constant watching so as not to let them suffer for want of water. All subtropical plants used for beds should have a house where abundance of air can be given them so as to make them hardier by planting out time.

CARNATION STOCK

The nature of the soil and weather will control planting in different localities. Very little is gained by too early planting, but now when the weather is more favorable, planting should go on with haste so as to get the stock into the field as quickly as possible. When planting out from pots see that ball is thoroughly soaked. Each plant should have at least eight inches from the center of the plant all around, for proper development, and then whatever extra room you wish to allow for cultivation. See that each plant is pressed firmly around and then a good watering should be given. Plant varieties in batches by themselves and label each plainly; it will save you trouble later on. The more care and attention they get in every detail the better foundation you will be laying for future success. During their stay in the field they should be assiduously cultivated, as it serves the purpose in dry weather of checking evaporation to a certain extent, and after heavy rains of keeping the ground mellow and open.

See that your plants have never-failing attention in the way of stopping the leading growths.

CARE OF ORCHIDS

Now as the season advances the Cattleya department will need more air, thus necessitating more thorough and frequent damping of the walks and under the benches, with a syringing overhead once or twice a day. When there is a spell of damp weather don't do much damping, and it will be necessary to kept on air with a little fire heat so as to keep them in good shape. All such cattleyas as Mossiae, Mendelii, Warneri, etc., that are through flowering should be given new material, and when in poor condition repot, using osmunda fibre and sphagnum moss with a liberal drainage. Give them a good sponging to remove any scale, thrips, or other insects before the young growths start up. Give phalaenopsis now a house where the air can be kept continually laden with moisture, as it is essential for their well-doing, but keep the atmosphere active by admitting air in greater or less quantities, but preventing any direct drafts from striking them. During now and through the summer see that they don't suffer for the want of water. These orchids require every encouragement in the way of heat, light without direct sunlight, and moisture, for they have baffled quite a few who have tried to grow them.

DAHLIAS

The popularity of dahlias for cut flower purposes has increased from year to year. Any time from the middle of May up to June will do for planting as they require some warmth in the ground. To attain the best results dahlias should receive no check from start to finish. They will grow in any fertile soil, but their preference seems to be for a rich, deep, moist, and sandy loam. The ground should have a liberal amount of suitable plant food well incorporated. Well-decayed stable manure will be found the most satisfactory, but when this cannot be procured, sheep manure, or any chemical fertilizer rich in ammonia and phosphoric acid will answer as a substitute. Plant so as to permit of easy passage between the plants—say about 2 feet in the rows with at least 4 to 5 feet between the rows. Give frequent and shallow cultivation during their growth. When they are about a foot high, they should be secured to stout stakes so as to assist in holding the shoots in an upright position.

STEVIA

This plant can be grown either in the open ground or under pot culture during the summer. When grown in the field don't make the ground too rich for they make a very rampant growth. Give them a space of at least two feet apart, and give frequent cultivation and pinchings. Where it can be done I think pot grown stock is preferable to those grown in the field. When grown under pot culture they should be shifted into larger pots before the roots get too matted, using any good carnation soil for these shifts. They should be transferred before the middle of August into 8 or 9-inch pots or boxes and given their last pinching in September. If you are short of stock you can propagate now and these will give nice material for 6-inch pots.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Aquaticles; Bourcardias; Chrysanthemums; Ericas; Stock for Vases and Boxes; Vincas.

ARNOLD ARBORETUM BULLETIN.

Persons interested in plants often complain that they do not know when the trees and shrubs in the Arboretum bloom and therefore miss flowers which they want to see. To meet this difficulty it is proposed to issue from time to time from the Arboretum bulletins of popular information in which attention will be called to the flowering of important plants and other matters connected with them. During the spring and autumn these bulletins will probably be issued every Saturday and from time to time during the remainder of the year when the necessity for them exists; and in them notice will be given of what will be best worth seeing during the following week.

Copies of the Bulletin will be mailed without charge to any one interested in trees and shrubs and their cultivation who desire to receive them.

An illustrated guide to the Arboretum containing a map showing the position of the different groups of plants has recently been published. It will be found useful to persons unfamiliar with the position of the different groups of plants. Copies of this guide can be obtained at the Administration Building in the Arboretum, from the Secretary of the Massachusetts Horticultural Society on Massachusetts avenue, Boston, from The Houghton, Mifflin Company, 4 Park street, Boston, and at the Old Corner Bookstore, Bromfield street, Boston.

C. S. SARGENT, Director.

Bulletin No. 1.

The hot days of last week have brought out suddenly the flowers of several plants belated by the exceptional cold of the early part of April.

Many of the magnolias of eastern Asia, which produce their flowers before the leaves appear, are now in bloom. The flowers of the earliest of these, *Magnolia stellata*, are already passing. The delicate pink flowers of one form of this handsome and hardy Japanese shrub deserve special notice. The white-flowered *Magnolia conspicua* from China, the two forms of *Magnolia Kobus* from Japan, and the hybrid *Magnolia Soulangiana*, with pink flowers are particularly noticeable. They are in the immediate neighborhood of the Administration Building and near the Jamaica Plain gate.

Several of the Asiatic cherries are in bloom. The most attractive of these are *Prunus pendula* and a variety of this Japanese tree with erect branches, *Prunus pendula ascendens*, often called *Prunus subhirtella*. This is one of the most beautiful of the early spring flowering trees. Attention is called, too, to *Prunus Sargentii*. This is a large cherry tree from the forests of northern Japan with single flowers, pink on some plants and rose-colored on others. *Prunus Sargentii* is a valuable timber tree in its native country and one of the most desirable of the hardy trees of recent introduction. These cherry trees and many others are on the right-hand side of the Forest Hills road.

In the shrub collection, near the Forest Hills gate, a number of species of *Ribes* (currants and gooseberries) are already in flower and here the different forms of *Forsythia* may be seen. The handsomest of them at this time is *Forsythia intermedia*, a hybrid

between *F. suspensa* and *F. viridis-sima*, and a more desirable decorative plant than either of its parents. Less beautiful but of particular interest to students of plant geography is *Forsythia europaea*, discovered a few years ago in Albania and the only species found beyond the limits of the Chinese empire.

On Azalea path a number of plants of *Rhododendron mucronulatum* are now in good condition. This is a native of the mountains of northern China, and is now covered with bright rose-colored flowers which are produced before the leaves. It is the earliest of the rhododendrons and azaleas to bloom in the Arboretum.

The Service Berry, or Shad Bush tree, will soon be in flower. Two species, *Amelanchier canadensis* and *A. obovalis*, grow naturally in the Arboretum, and the latter has been planted in large numbers through the border shrubberies. Large plants of *A. canadensis*, easily distinguished by the deep red color of the unfolding leaves, are growing at the foot of the wooded slope near the junction of the Forest Hills and Meadow roads.

The plum trees near the shrub collection will soon be covered with sheets of white flowers. Some of the apricots here are already in bloom, and the pink petals of *Prunus Davidiana* are already dropping. This is the wild peach of northern China, by some botanists believed to be the plant from which the cultivated peach has been derived.

BROOKLYN'S BOTANIC GARDEN.

Work has begun on the new Botanic Garden and Arboretum to be located in Brooklyn, N. Y. In several weeks bids will be taken for the contracting of a part of the main building and the greenhouses which are to be built at a price not to exceed \$50,000.

The general plans for the garden were prepared by Olmsted Brothers, landscape architects. The plans and specifications for the instruction building and plant houses were prepared by McKim, Mead & White. When finished the garden and arboretum will be unique features of the Brooklyn park system.

AN ENEMY OF THE SCALE.

We learn from reports from Seymour, Ind., that the fungus known as the "red-headed fungus" has appeared there as the enemy of the San Jose scale and has been doing some surprising work in eradicating the pest. It is believed that if the fungus can be made to grow artificially and can be transplanted to scale infested orchards, it will solve the San Jose scale question. It is said the fungus has been grown with success in the entomological laboratory at Indianapolis during the winter months.

AN APHINE DEMONSTRATION.

Manager Ebel of the Aphine Manufacturing Co., tells us that he has arranged with the Florists' Exchange of Baltimore to hold a public demonstration at their market rooms at an early date, to show the merits of Aphine as an insect destroyer. Mr. Ebel gave similar demonstrations at Boston, New York, Philadelphia and other floral centers some time ago, and in every instance made a favorable impression, his preparation fully supporting the claims advanced for it.

FLOWER SHOW AT THE PENNSYLVANIA STATE COLLEGE.

The Department of Horticulture and the Penn State Crab Apple Club, the horticultural student organization of the Pennsylvania State College, managed a flower show the last week of April that was decidedly successful. The florists throughout the state were requested to contribute and those who responded did so most liberally. Floriculture is rapidly coming into prominence in the college and the show did much to arouse interest on the part of the students and the general public. The department is at present hampered somewhat by want of space under glass but with the proposed addition of several more houses this branch of horticulture will receive rapid development. Professor Gregg has charge of the work in floriculture and the success of the show was very largely due to his untiring efforts.

The exhibition was staged in the well lighted service room of the new greenhouses and its capacity was taxed. It will probably be necessary in the future to use the college armory. The center of the room had a long table upon which were the roses, the center of interest to most visitors. The sides were given over to the carnations and potted specimens. Not all of the florists who received announcements of the show responded, but there were enough generous contributions to make the show a success. Myers & Samtman, of Chestnut Hill, Pa., sent a magnificent display of American Beauty, My Maryland and Hilda roses. The Pittsburgh Cut Flower Company made the largest display, including splendid specimens of Richmond, My Maryland, Pink and White Killarney roses; and Lawson, White and Pink Enchantress, Winsor and Victoria carnations. S. S. Pennock-Meehan Co., of Philadelphia, contributed American Beauty roses, snapdragons and Victoria and Enchantress carnations. Other contributors were Floral Exchange, Edgely, Pa., Golden Gate, Bride, and Bridesmaid roses; Oakwood Rose Gardens, Oil City, Pa., Richmond, Bride, and Bridesmaid roses; Wm. Allen, Homewood Cemetery, Homewood, Pa.; Primrose and Spiraea; Finleyville Floral Co., Finleyville, Pa.; Enchantress, Beacon, Winona and White Perfection carnations; W. M. Deyoe, Oil City, Pa., several varieties of carnations; Stafford Flower Farm, Stafford, Pa., White Perfection and Winsor carnations; Saxonwald Greenhouses, Castle Shannon, Pa., Enchantress carnations, snapdragons, and Killarney roses. The New Jersey Agricultural Experiment Station, New Brunswick, N. J., exhibited several specimens of roses and carnations grown with commercial fertilizer only.

The Hilda rose showed the most substance and keeping quality. It was followed closely by a vase of White Killarney. The Enchantress and Beacon carnations commanded the most praise.

Jamestown, N. D.—The Wheeler Floral Co. sustained a damage of about \$600 during a storm on April 14. A portion of the roof and a bench of carnations were destroyed.

MENDEL'S LAW AS RELATED TO HEREDITY AND BREEDING.

By Dr. Herrmann Decker. Translated from "Cosmos" by Gustave Thommen.

II.

When Mendel began his experiments he intentionally selected one factor only for his first trials. He decided to find out what principles determined the height of plants. There are tall sorts and dwarf sorts of peas, and Mendel was well aware that the difference in size is not a result of any sufficient or insufficient nourishment or any certain condition of the soil. He knew, of course, that the tallness or dwarfness of each resided in itself as a characteristic quality, and that these dispositions are always present in the seed.

Mendel transferred the pollen from a dwarf sort to the stigma of a tall one, and waited. Popular belief would expect to get as a result from such a cross (tall and dwarf) medium sized plants. But the seed from his cross gave him plants of one size only. They were all tall. Where now was the influence of the dwarf sort? Had it disappeared completely? Was the pollen parent, the father, of no consequence whatever? Mendel left these plants of the first generation to themselves. They bloomed, self-fertilized and made seed. This seed he planted again. This time he planted the seed from each plant upon a separate bed. When the plants were full-grown the result showed the utmost irregularity as to size, apparently. In each bed Mendel found the progeny of each plant to consist of tall and dwarf plants. This confirmed his opinion: "that the influence of the dwarf sort could not be entirely lost, but had only been laying dormant in the tall plants of the first generation."

The wise monk carefully counted and tabulated the plants according to height. Now, the veil of the secret began to lift; a strange and wonderful coincidence was revealed to him. Among the progeny of each of the plants of this first generation he found the same proportions as to size. Three-fourths of the plants were tall and one-fourth was dwarf. Of course only approximately, more or less accurate, the larger the number of plants the closer the proportions. A rule of probabilities.

(The larger the numbers we deal with, the more definite the proportions. As plants multiply 100 and 1000 fold, it is very easy to find Mendel's proportion of numbers among the progeny, although very seldom entirely pure. It is naturally more difficult to give a numerical confirmation of Mendelian proportions in the case of animals, because the number of individuals in any family is relatively very small, so that results very often seem anything but correct. We know that children are born in equal proportions as to sex. The very small, actual difference is here of no consequence. So we might also expect that of six children in one family, three would be boys and three girls. But we know that

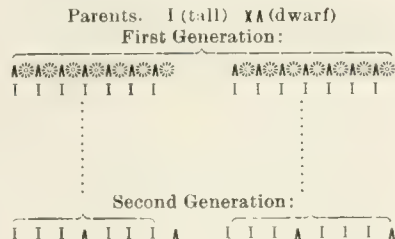
PENTSTEMON GENTIANOIDES.



This illustration inadequately shows the attractiveness of the improved large flowering pentstemon hybrids. These flowers are not so well known

this is seldom so, and that we will have to use the average of a large number of births to find that in relation to numbers the sexes are equally divided.)

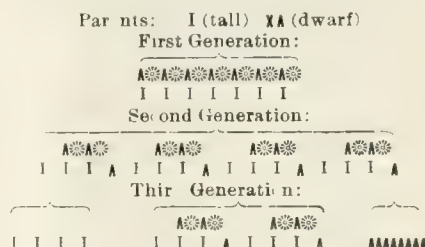
The progeny of the first generation was represented as follows: [Suppressed character is marked *].



Again Mendel let his plants flower and ripen the seed. Again he sowed this seed carefully, the seed of each plant in a separate row. Now the result. The seeds of the dwarf plants produced nothing but dwarf plants (and ever afterwards the same). They remained true to type (the type was fixed, as the gardener would say), even though they had passed through the tall plants of the first generation. The seeds from the tall plants behaved quite differently; some of the rows brought tall peas only, and these afterwards proved true to type also. Upon the remaining rows planted with seed from the tall plants, Mendel again found the plants mixed in regard to size, three-fourths tall and one-fourth dwarf, exactly as in the second generation. Now mark this: The seed of all the dwarf plants gave him dwarf plants, which afterwards proved true to type in the seed. One part of the tall plants also was true. In the others of the tall plants the disposition to dwarfness had been suppressed—"put to sleep," so to speak—for the time being. In counting up and tabulating the result, Mendel found that "of the seed from the second generation that of all of the dwarf plants proved true (dwarf); of that of the tall plants, only

as their beauty in garden decoration entitles them to be. Florists making a business of bedding plants would do well to give the pentstemons a prominent position on their spring lists.

one-third proved true (tall); the remaining two-thirds were bastards.



And so it continued throughout the generations. Mendel followed it up for twelve generations. Tall pure, produced invariably tall pure. Tall impure, always tall and dwarf impure (bastards). Dwarf pure, again only pure dwarf.

These were the facts that nature presented to Mendel. And what nature demonstrated in regard to size of plants, Mendel later on also proved to hold true in regard to any of the other characters, position and constitution of leaves, color and form of seed or flower, form of stem, etc., etc.

Mendel experimented with many different factors. Hundreds of other investigators have since shown that Mendel's law applies to any and all attributes of living things.

"In crossing two specimens of plants or animals, differing in any character (it is immaterial which is the father), there occurs no blending or amalgamation of these characters in the resulting bastard, but one of the characters is always suppressed by the opposing one of the same attribute."

This is the "FIRST LAW OF MENDEL."

Mendel's discovery, "That the units of all hereditary characters are indivisible and pass through the generations self dependently and unimpaired, without ever becoming obliterated or amalgamated with any others, has been a great advance in the knowledge pertaining to heredity.

(To be continued.)

CLUBS AND SOCIETIES

FLORISTS' CLUB OF PHILADELPHIA.

At first he was only a florist. After a few million years of development he woke up one day and found he had to be an artist. Another million years rolled around and then it dawned on him that he had also to be a merchant. Such, in effect, was the diagnosis of the patient as presented by L. D. Blackstone at the monthly meeting of the above club held on the 2d inst. Mr. Blackstone came from Washington to tell us Philadelphians how to do things in the way of advertising special sales for the retail trade. He gave us a splendid summing up of his experience—well thought out, well digested and most happily expressed. The wisest and wittiest resume of the subject we have had in the past twenty years; and we have had many discussions along the same lines during that period.

The essay committee are giving us plenty of variety, and something covering some different branch of the business every month. They are something like a committee! For next month they promise us a talk from the distaff side—something we have never had before. Mrs. Smith of Secane will talk on violets and carnations. She is, I think, the only lady member of the Florists' Club, and may give the boys a few jabs incidentally while the violets are under discussion. Glorious opportunity for her! They "dassent talk back"—as they would to a mere man. Paul Hueber is promised as an early attraction on the subject of R. R. Gardening. Xavia Schmidt will be on deck later with a good talk on Bedding Plants.

There was a fine turn out to hear Mr. Blackstone—and the orators of the Club had a splendid opportunity. The retailer blamed all the ills on the wholesaler, the wholesaler shifted them to the grower, and the grower promptly sent the charges back along the line. Edward Reid, Fred Ehret, Chas. E. Meehan, Robert Kift, Leo Niessen, Adolph Farenwald, Chas. Fox and others too numerous to mention, had their say, and after the smoke cleared away they seemed to be all better friends than ever. The sun rose all right Wednesday morning; and the Delaware river continues to flow in the same old direction.

BOOMING THE GLADIOLUS.

There has recently been organized in England the "National Gladiolus Society," and I am informed by the secretary, Mr. K. Atkinson, Locksheath, Southampton, that they are working very much along the same lines as the A. G. S. and will gladly co-operate with us for the mutual interest and advancement of the gladiolus. I hope to give at an early date further particulars concerning this new society. Now, then! Germany and France, and then all together—an international society! The gladiolus is here!

The Henry F. Michell Co., of Philadelphia, has offered for our Baltimore exhibition a silver cup valued at \$25.00 to be awarded for the best 25 spikes of the new gladiolus Kunderdi "Glory" exhibited in one vase.

L. MORTON GAGE, Cor. Sec'y.

AMERICAN ROSE SOCIETY.

Registration of American Roses.

At the Boston Exhibition a matter was suggested, in regard to the permanent registration and record by the American Rose Society of all the roses that had been originated in America for the last twenty-five years and to embody the list as a permanent record in the next Bulletin. During the last two years, records have been received of several new varieties or sports, and the same have been published. We want to go further than that and gather an accurate record of all the roses and the stock from which they were obtained and place the same in a Book of Registration, that would be available for general information. This idea was suggested to the Secretary and in speaking with a few rosarians the plan was deemed an advisable one to carry out if possible and, therefore, I would ask all parties that may have any accurate information bearing on this subject or who may be the originators of a new rose, to file a statement with the idea of compiling an accurate list for publication by the American Rose Society.

BENJAMIN HAMMOND, Sec'y.

Fishkill-on-Hudson, N. Y.

DETROIT FLORIST CLUB.

Our last meeting was graced with the presence of several traveling salesmen who helped to make this meeting a memorable one. Mr. Seligman of Wertheimer Bros. and Mr. Karins of Dreer's so much enjoy our club that they made application for membership. Mr. Miller, the walking horticultural dictionary of Skidelski, was another visitor, and last but not least Wm. A. Starret of the Kenneth Anderson Co.

The principal discussion of the evening was devoted to ways and means to bring about a general celebration of Mothers' Day, May 14th. It was decided to get up a number of banners to be used on every florist's delivery wagon also cards to be displayed in department stores, etc. Every advertising retailer has agreed to add a few lines relative to Mothers' Day to his regular advertisement. Under advisement is advertising in front of each street car and possibly a donation of one carnation to each motorman and conductor. We therefore are straining every nerve to establish Mothers' Day in this city.

HORTICULTURAL SOCIETY OF NEW YORK.

The next exhibition by the Horticultural Society of New York will be held on May 10 and 11 in the Museum Building of the New York Botanical Garden. Prizes in cut flower section are offered for collections of herbaceous plants, shrubs and trees, tulips, narcissi, gladioli, campanulas and wild flowers. Pelargoniums and campanulas are included in the plant schedule. All exhibits for competition must be staged by 1 p. m. on the first day.

At the next meeting of the Gardeners' & Florists' Club of Boston, Tuesday evening, May 16, E. J. Shaylor of Wellesley Hills will deliver a lecture on "Peonies."

CONNECTICUT HORTICULTURAL SOCIETY.

On the evening of April 28th, when the schedule called for an exhibition of hardy primroses, there were none owing to the unusual lateness of the season. President Huss made a splendid display of hybrid amaryllises, Spirea Queen Alexandra, azalea and Bougainvillea Sanderiana. Mr. Huss, and his able assistant, Francis Roulier, both related many facts concerning the culture and characteristics of these plants. J. A. Weber also staged May King lettuce, and Marshall strawberry in bearing. William A. Kinne, of New Britain, showed a fine white dendrobium.

The judges, Howard A. Pinney, John Gerard, and T. B. Brown, made awards as follows: Diploma to Mr. Huss for each of the azalea and amaryllis displays, honorable mention for the Bougainvillea; certificates of merit to Mr. Weber and Mr. Kinne.

On the 23rd of October next, we are promised a treat in the form of a lecture in Hartford, by J. K. M. L. Farquhar, of Boston, on "Japanese Gardens."

GEORGE W. SMITH, Sec'y.
Melrose, Conn.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The president, Mrs. J. V. Phillips, appoints as Introduction Committee to serve at Baltimore, the following ladies: Chairman, Mrs. E. V. Boone, Baltimore, Md.; Mrs. James Glass, Baltimore, Md.; Mrs. Richard Vincent, Jr., White Marsh, Md.; Mrs. W. F. Gude, Washington, D. C.; Mrs. J. R. Freeman, Washington, D. C.

MRS. CHAS. H. MAYNARD,
Secretary.

ST. LOUIS FALL SHOW.

The Preliminary Premium List of the Fifth Fall Floral Exhibition of the St. Louis Horticultural Society, to be held jointly with the Chrysanthemum Society of America, has been issued and copies may be obtained by addressing Otto G. Koenig, 6473 Florissant Ave., St. Louis, Mo. The exhibition will be held on November 7 to 11 inclusive, at the Coliseum. Many special prizes are included in the list and the outlook is for a very large and impressive display.

CLUB AND SOCIETY NOTES.

J. B. McArdle has been elected secretary of the Westchester and Fairfield Counties Horticultural Society at Stamford, N. Y.

The St. Louis Florist Club will hold their regular monthly meeting on next Thursday afternoon, May 11th, in Odd Fellows Hall. Secretary Beneke expects a very large attendance at this meeting as very important business has to be transacted.

The next meeting of the New York Florists' Club on Monday evening, May 8, will be enlivened by a series of five-minute talks on practical and pertinent topics by a number of club members, and those who absent themselves will find they have missed a pleasant and profitable evening.

THE RETAIL FLORIST IN NEW ORLEANS.

A Paper read before the New Orleans Horticultural Society by P. A. Chopin.

I do not believe there is another city in the country where the florist business has increased and developed at the same rate in the past few years as it has in New Orleans. When we consider how far removed we are from our present source of supply, and the fact that there is always something in bloom in our private gardens, the great increase in the volume of business transacted by the local florists is very gratifying. The people of New Orleans have been very liberal with their patronage of the florist and I find are constantly clamoring for the best, being more content with a smaller quantity of select quality than a liberal supply of an inferior grade.

It is my opinion that for the liberal patronage given our profession, we in turn should make every effort not only to retain that which we have, but to encourage a still greater use of flowers by sparing no pains to execute every order with care. It is well known amongst us that three-fourths of the flowers and floral offerings ordered by our customers are never seen by them, some going direct from the florist to the home of a friend, or some sanitarium, and others sent to the funeral of a friend where the sender can never identify his flowers among the many others there. So we can readily see that the trade of the florist greatly depends upon the confidence his customers have in him, and he should make special effort to retain this confidence by being prompt in deliveries, sending nothing but the quality of goods ordered, and see that what is put up at the store with the greatest care and artistic arrangement is not all battered up and out of shape when it arrives at its destination by the carelessness of the delivery boy. Just the same as first-class stock advertises, so will poor stock hurt the one who sends it out. The flower buying people of our city, I believe, are among the most critical in the country, and are mighty well informed, and now no longer order the flower they want by color, but call the particular name of their favorite rose, carnation, chrysanthemum, or other flower wanted.

It is unfortunate that during the course of a season hundreds of thousands of dollars should be sent away from here by us for cut flowers. In reference to this matter I wish to mention that during the past season I have almost entirely used southern-grown roses, and they have been better both in appearance and lasting qualities than those from my former source of supply, and have given better satisfaction than any northern-grown roses handled by us before; but the supply is not equal to the demand, showing that there is an excellent field here for a wholesale establishment that would prove very profitable to the one who undertakes it. An establishment of this kind would be a great boon to our city florists, would reduce the present price the consumer has to pay, and would provide the public with flowers of better lasting qualities than most of those now sold by us. It might be

A MODEL FLORISTS' OFFICE.



This picture shows the business office connected with the new flower store of the Park Floral Co., Denver, Colo., of which we published some other views a few weeks ago. It is not many years since florists came to realize the necessity of a separate office for their accounting work and cor-

respondence, and we are probably safe in saying that the great majority of stores are still deficient in this respect. Mr. Valentine has set a good example of what is demanded in the equipment of an up-to-date florist today, and we commend it to the attention of our readers.

well to mention that if an industry of this kind were promoted we would owe it to ourselves to give it liberal patronage, and even to give it preference to outside establishments.

The disappointment and loss sustained, especially during the holidays, when our carnations and other flowers arrive in a sleepy condition, withered and unfit for use, could be overcome by inducing our customers to use other varieties of flowers, something that we can grow in our own section instead of being dependent on flowers grown a thousand miles from us and sometimes kept in storage for three or four days before being shipped to us. The time has come when I am sure the public would gladly co-operate with us and would be willing to purchase flowers grown at home that could be supplied fresh, instead of accepting flowers of doubtful age and lasting qualities that come from our present source of supply.

It might be well to mention a few words in regard to collections of accounts due us—the most important part of our business. From a good customer who pays promptly we can by not being prompt ourselves in rendering statements and collecting our accounts as soon as possible after they are due, make a very indifferent customer who will always in the future expect us to wait a few months before settling up, and who does not care to buy more flowers as long as he is in debt to his florist.

Fulton, Ill.—Mr. Hills, of Hills & Kirman, has retired from business, his share being purchased by John E. Kirman.

A SAN FRANCISCO FLOWER STORE.

See Cover Illustration.

Our illustration shows the interior of the new "Flower Palace" of Pelicano, Rossi & Co., San Francisco, Cal., mention of which was made in our reading notes last week. It is one of the most magnificent and richly appointed flower shops in America and is the climax of 20 years catering to the flower-loving public of the Pacific metropolis. After the great fire of 1906 this firm was the first in the florist business to reopen and the conduct of the establishment has been characterized by enterprise and ability of a high order.

CATALOGUES RECEIVED.

J. G. Harrison & Sons, Berlin, Md.—Folder of Surplus Trees, Plants and Shrubs. An enormous quantity at low wholesale rates. Also price list of Maryland farms, large and small, for sale by their real estate department.

Alex McConnell, 611 Fifth Ave., New York City.—Limited Descriptive List of Selected Ornamental Trees, Shrubs and Herbaceous Perennials for the Improvement of Country Homes. An excellent list well adapted to its purpose.

INCORPORATED.

Denver, Colo.—The Denver Nursery Co., capital stock \$50,000. Incorporators, W. A. Deuel, C. C. Anthony, C. A. Parker.

Louisville, Ky.—The Jefferson County Greenhouse Co., capital stock \$12,000. Incorporators, George Kopmeier, Charles Schultz, Jr., and A. J. Driesback.

Indianapolis, Ind.—The firm of Baur & Smith will dissolve on June 1, 1911, by mutual consent. A. F. J. Baur will take over Mr. Smith's interest in the greenhouse and ground at 38th street and Rockwood avenue, whilst F. S. Smith will remain at the old stand at 38th street and Senate avenue, conducting the business on much the same lines as at present. Carnations, chrysanthemums and geraniums will be specialties.

Decoration Day Roses

The right time to buy Roses is when they are fresh and well ripened. Roses potted up in the Winter become better established and force better, and are more satisfactory in every way, and you can retard or force them at your leisure.

Hardy Perpetual Roses

We offer extra-strong forcing two-year-old dormant, low-budded stock, in the following varieties, true to name: Price, 75 cts. for 5 (of one variety), \$13 per 100, \$120 per 1000 (immediate delivery).

Alfred Colomb. Carmine-crimson.
Anne de Diesbach. Bright carmine.
Ball of Snow (Boule de Neige). Large, pure white.
Baron de Bonstetten. Blackish crimson.
Baroness Rothschild. Satiny pink.
Capt. Christy. Delicate flesh color.
Clio. Satin blush; very fine new sort.
Duke of Edinburgh. Bright vermilion.
Fisher Holmes. Dark velvety crimson.
Frau Karl Druschki. The finest white in existence.
Gloire de Margottin. Dazzling red.
Gen. Jacqueminot. Brilliant crimson; the popular Rose.
John Hopper. Bright rose, with carmine center.
La France. Peach-blossom pink.
Mme. Charles Wood. Bright carmine.
Margaret Dickson. White, with pale flesh center.
Marshall P. Wilder. Cherry-rose and carmine.
Magna Charta. Dark pink.
Mme. Gabriel Luizet. Light, satiny pink.
Mrs. John Laing. Rich, satiny pink.
Mrs. Sharman Crawford. Deep rosy pink.
Paul Neyron. Lovely dark pink.
Persian Yellow. Hardy yellow rose.
Prince Camille de Rohan. Dark crimson-maroon.
Soleil d'Or. Large, globular flowers, varying in color from gold and orange to reddish gold, shaded with nasturtium-red.
Ulrich Brunner. Cherry-red; grand rose; free. For Prices, see above

English Moss Roses

Assorted, White, Pink, Red. Large dormant plants, from open ground. 75 cts. for 5, \$14 per 100.

Baby Rambler Roses

PHYLIS. Very fine clear pink, highly recommended. \$1.25 for 5, \$20 per 100.
PHYLIS (Grown as a Standard). \$2 for 5, \$35 per 100.
BOSKOOP BABY. Color beautiful shade of China rose, very free-flowering and easily forced. \$3.25 for 10, \$30 per 100.
BABY DOROTHY. "Baby Dorothy," when planted out, flowers perpetually from Spring until Autumn. It makes an excellent pot plant for forcing. Price for strong, field-grown plants, 85 cts. for 5, \$15 for 100.
BABY DOROTHY (Grown as a Standard). For description, see above. 50 cts. each, \$4.75 for 10, \$45 per 100.
CATHARINE SEIMETH. A very important novelty. A White Baby Rambler Rose, larger and better flowers than the type. White with yellowish center. It has the true rose perfume. 85 cts. for 5, \$15 per 100.
MRS. WM. H. CUTBUSH. A grand acquisition to the Baby Rambler class. Color intense crimson and exceptionally free-flowering. 85 cts. for 5, \$16 per 100.
MME. NORBERT LEVAVASSEUR (Baby Rambler). Strong, field-grown plants, 75 cts. for 5, \$14 per 100.
BABY RAMBLER (Grown as a Standard). The popularity of the Baby Rambler has suggested the growing of it as a tree or standard. 40 cts. each, \$3.75 for 10, \$35 per 100.

Ramblers and other Climbing Roses

CLIMBING BABY RAMBLER (Miss C. Mesman). A novelty for 1911, where the Baby Rambler is popular, the climbing type will soon become so, too. We have a small stock, and offer same as follows. It is a true Polyantha type, color deep rose. 50 cts. each, \$2.25 for 5, \$40 per 100.
GLOIRE DE DIJON. Color buff, orange center, very sweet-scented. Field-grown. \$1.50 for 5, \$22.50 per 100.
CRIMSON RAMBLER. American Grown. The only stock for forcing. Large heavy plants, two years old, mossed and packed in bundles of 10, 3 to 5 feet, \$1.75 for 10, \$15 per 100; 4 to 6 feet, \$2.25 for 10, \$20 per 100; 7 to 8 feet, extra heavy, \$4 for 10, \$35 per 100.
DOROTHY PERKINS. Resembles the Crimson Rambler, except in color, which is a lovely shell pink, holding a long time without fading. 4 to 5 feet, \$1.75 for 10, \$15 per 100; 8 to 9 feet, \$2 for 10, \$18 per 100.
TAUSENSCHON. The new Rambler Rose. The name translated means a "thousand beauties." Color beautiful rose, shading to pink. \$1.75 for 10, \$15 per 100.
TAUSENSCHON (Grown as a Standard). Fine for forcing. 40 cts. each, \$3.75 for 10, \$35 per 100.

Something New in Roses for Florists

Half-Standard Baby Ramblers

These are Baby Ramblers, grown on stems or standards about one and a half feet high, and will be a novelty for your trade you cannot profitably overlook. Easily forced. They are offered in the following varieties:

BABY DOROTHY (Half Standard). Deep pink. 40 cts. each, \$4 per doz., \$30 per 100.
BABY RAMBLER (Half Standard). Crimson. 40 cts. each, \$4 per doz., \$30 per 100.
BABY CATHERINE SEIMETH (Half Standard). White. 40 cts. each, \$4 per doz., \$30 per 100.
BABY "STARS AND STRIPES" (Half Standard). White and red grafted on the same plant; most attractive. 45 cts. each, \$4.50 per doz., \$35 per 100.
PHYLIS (Half Standard). Carmine pink. 45 cts. each, \$4.50 per doz., \$35 per 100.
TAUSENSCHON (Half Standard). Soft pink. 40 cts. each, \$4 per doz., \$30 per 100.
MRS. CUTBUSH (Half Standard). Rose pink. 40 cts. each, \$4 per doz., \$30 per 100.

Well-Known Climbers

Mme. Plantier. White.
Baltimore Belle. Pale blush color.
Prairie Queen. Red, changing to pink.
Seven Sisters. Clear pink.
75 cts for 5, \$14 for 100

English Grown Hybrid Tea, or Everblooming Roses, etc.

Hybrid Tea or Ever-blooming Roses are becoming more popular every year. As hardy as the perpetuals, with slight protection in Winter, they give a wealth of bloom all through the Summer months and late in the Fall till frost checks them.

THE GRAND ROSE LYON. Originated by the raiser of Etoile de France. Perpetual flowering. Vigorous grower. The blooms are very large with broad petals, full and globular in form; shrimp pink at the ends of the petals, center coral-red or salmon-pink, shaded with chrome yellow. Very fragrant. 40 cts. each, \$1.75 for bundle of 5, \$30 per 100.

THE KILLARNEY ROSE. This is a grand Rose for either indoor or outdoor cultivation; is a strong grower and the blooms, which are of a beautiful pink, are borne in great profusion. Strong, 2-year-old field-grown stock, \$1.25 for bundle of 5, \$22.50 per 100.

MAMAN COCHET ROSES. The best of all Roses for Summer-flowering and cutting.

Maman Cochet (Pink). Color is clear, rich pink, changing to silvery rose; very double and fragrant.

Maman Cochet (White). A sport from the above, with all its characteristics; color a beautiful snow-white, at times tinted with the faintest suggestion of blush, the same as is often found in the Bride.

\$1.25 for bundle of 5, \$22.50 per 100.

ROSE, Etoile de France. Flowers large, possessing petals of very good substance; magnificent cupped form. Superb crimson-red velvet, the center of the bloom vivid cerise-red. The flowers are very fragrant and last very long. The Queen of the Everblooming Red Roses. The most free-blooming and vigorous Red Rose ever introduced. Strong, 2-year-old plants, field-grown, 85 cts. for bundle of 5, \$15 per 100.

BESSIE BROWN. Creamy white, \$2.50 for 10, \$22.50 per 100.

GRUSS AN TEPLITZ. No Rose in commerce can compare with this as a bedder. It is a perfect sheet of richest crimson-scarlet all Summer. A strong, vigorous grower, \$1.75 for 10, \$15.00 per 100.

VISCOUNTESS FOLKESTONE. A large full flower of creamy pink, shading to deep salmon-pink at the center; very floriferous, \$1.25 for 5, \$22.50 per 100.

HERMOSA. Soft pink; flowers full and freely produced; a good grower, \$1.25 for 5, \$20.00 per 100.

RICHMOND. The well-known red Rose of commerce, \$1.25 for 10, \$22.50 per 100.

PRESIDENT CARNOT. Almost pure white Rose, shading to soft pink, very distinct and excellent for indoor or outdoor Summer growing, \$1.25 for 5, \$22.50 per 100.

BETTY. Copper-yellow, overspread with golden-rose. A fine formed Rose, large and moderately full, \$1.75 for 5, \$25.00 per 100.

MADAME ABEL CHATENAY. Carmine-rose, shaded salmon-pink, \$2.50 for 10, \$22.50 per 100.

MILDRED GRANT. Cream, with a faint blush of pale rose, \$2.50 for 10, \$22.50 per 100.

AMERICAN BEAUTY. Almost too well-known for description, but as popular today as twenty years ago. Rosy carmine, shaded salmon, flowers large and full; very floriferous. Strong, field-grown plants, 75 cts. for bundle of 5, \$14 per 100.

CAROLINE TESTOUT. Bright satin rose, with brighter center, large full, globular; sweet-scented. \$1.25 for bundle of 5, \$22.50 per 100.

We carry a much larger list of Hybrid Teas in our retail catalogue, which will be sent on application.

KAISERIN AUGUSTA VICTORIA. An almost pure white Rose. Shaded a beautiful primrose. Fine for indoor or outdoor Summer-blooming. Bundle of 5 for \$1.25, \$22.50 per 100.

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th St., NEW YORK CITY

OBITUARY.

Theodore S. Strickler.

Theodore S. Strickler, florist, of N. Y., died at his home on April 16th. He was one of the oldest florists in that section, being 72 years old.

Herbert S. Price.

Herbert S. Price, gardener for many years for James B. Laughlin died at his home, 623 Richland street, East End, Pittsburgh, Pa., on April 23.

George Engel.

Word has reached us of the death of Geo. Engel, pioneer florist of Xenia, Ohio. Details are lacking, however. The bereaved family has the sympathy of the craft.

Mrs. Wm. Winter.

Mrs. Wm. Winter, wife of William Winter, a prominent grower at Kirkwood, Mo., died on Saturday, April 29, after a short illness. Mrs. Winter was well known in the local trade and many attended the funeral which took place on Monday. Mr. Winter selected the pallbearers from his friends in the trade at Kirkwood. Mr. Winter is a member of the St. Louis Florist Club and the members extended to him their sympathy.

BRITISH CARNATION SCALE OF POINTS.

Editor of HORTICULTURE,

Dear Sir:—On page 568B, April 15th, I note Philadelphia correspondent's enquiry are the points given by the British Carnation Society. Our scale of points for judging is as follows:

	Points.
Color	20
Size	20
Fragrance	10
Substance	10
Calyx	5
Habit of Plant.....	20
Form	15

100

Yours sincerely,

J. S. BRUNTON.

PROTEST ON HYACINTH BULB DUTIES SUSTAINED.

The U. S. Court of Customs Appeals has, we are just informed by Curtis Nye Smith, of Boston, the attorney conducting the trial of the case, reversed the Board of U. S. General Appraisers' decision and sustained the protest of Joseph Breck & Sons Corporation against the payment of an importation duty of \$2.50 per thousand on hyacinth bulbs, the proper duty being fifty cents per thousand. The Breck protest was the test case.

Fort Hancock, N. J.—Joseph Carter has succeeded his brother James in the florist business here.

GERANIUMS

BEST STANDARD VARIETIES

Well-grown strong 4-in. pot plants in bud and bloom.

\$7.00 per 100; \$65.00 per 1000

Salvias, Petunias, Heliotropes and other Bedding Plants in variety and quantity

Write for prices.

JOHN MCKENZIE, North Cambridge, Mass.

A. N. PIERSON
Incorporated
CROMWELL, CONN.

COLEUS

Verschaffeltii, Firebrand, Golden Queen, Lord Palmerston, Queen Victoria, Beckwith's Gem.

Rooted Cuttings by express: 75 cents per 100; \$7.00 per 1000. Out of 2½-inch pots in May: \$2.50 per 100; \$20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Hero, Messey, Brillancy. Rooted Cuttings by express: \$1.00 per 100; \$8.00 per 1000. Out of 2½-inch pots: \$2.50 per 100; \$20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

FANCY VARIETIES

Fancy Varieties. A very fine assortment of twelve kinds not listed above. Rooted Cuttings: \$1.00 per 100; \$8.00 per 1000. Out of 2½-inch pots: \$2.50 per 100; \$20.00 per 1000.

Fancy Varieties. Either rooted cuttings or plants from 2½-inch pots, our selection, 250 at the 1000 rate.

AGERATUM

Stella Gurney and Princess Pauline. 75 cents per 100; \$7.90 per 1000.

ALTERNANTHERA

Red and Yellow. Rooted Cuttings: 75 cents per 100; \$6.00 per 1000. From 2½-inch pots: \$2.00 per 100.

Brilliantissima. A valuable new Alternanthera, red and yellow in color, with broad leaf. Rooted Cuttings: \$1.25 per 100; \$10.00 per 1000. From 2½-inch pots: \$2.50 per 100.

SALVIA

S. Splendens, S. Bonfire, S. Zurich, S. Schenley.

Rooted Cuttings, 75 cents per 100; \$7.00 per 1000.

Salvia of these varieties from 2½-inch pots: April and later delivery, \$2.50 per 100; \$20.00 per 1000. 250 of a variety, or in assortment as ordered, at the 1000 rate.

HELIOTROPE

Dark blue variety. Rooted Cuttings, \$1.00 per 100; \$9.00 per 1000. From 2½-inch pots, \$2.50 per 100; \$20.00 per 1000. 250, either plants or cuttings at the 1000 rate.

Moonvines

Ipomea Noctiflora, our so well known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2½-in. pots, will make good stock for you to propagate from, \$5.00 per 100.

Godfrey Aschmann

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario St., PHILADELPHIA, PA.

HOLLYHOCKS

Dbl. pink, salmon, maroon and red; large field-grown plants, \$6.00 per 100, \$50.00 per 1000; also Aquilegia Canadensis, Alyssum Soxtatile, Campanula Carpathica Alba, Persicifolia Alba, Pyrethrum Roseum, Veronica Spicata and Alba, \$5.00 per 100, \$45.00 per 1000, and Papaver Orientale, 4 in. pots, \$6.00 per 100, \$50.00 per 1000. Cash with order please. Write for samples to

GEO. F. KIMBEL - Flourtown, Pa.

FERNS

Boston and Scottii Ferns
50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

Gladiolus, Cinnamon Vines

Madeira Vines, Lilies, Iris, Daphne Cneorum, Syringa Japonica and Wistarias.

Write for Price List.

E.S. MILLER, Wading River, N.Y.

VALLEY CLUMPS

STRONG HEAVY CLUMPS

\$12.00 PER 100

LILY OF THE VALLEY

COLD STORAGE

\$20.00 CASE OF 2,000

WM. ELLIOTT & SONS,

42 Vesey St., New York

BEGONIAS

Glorie de Lorraine and Lonsdale, \$15.00 per 100, \$140.00 per 1000. Glory of Cincinnati, \$25.00 per 100, \$200.00 per 1000. 250 at 1000 rate. Strong, 2½ in., twice transplant d. Absolute satisfaction guaranteed. Catalog for the asking.

SKIDELSKY & IRWIN CO.

1215 BETZ BUILDING, PHILADELPHIA, PA.

DIRECT IMPORTATIONS

Bay Trees, Kentias, Azaleas, Valley Pips, Roses, Rhododendrons, Boxwood, Manetti, Evergreens, Jap. Lilies, Raffia, etc., etc.

Nursery stock from France, Holland, England and Japan.

McHutchison & Co. 17 Murray St. New York, N. Y.

BOSTON FERNS, 2½ inch \$30.00 per 1000.
WHITMANI, 2½ inch \$5.00 per 100; \$40.00 per 1000; 250 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

PALMS, FERNS AND
DECORATIVE PLANTS

JOHN SCOTT

Rutland Road and E. 45th St.
Tel. 2690 Bedford BROOKLYN, N. Y.

BEST PALMS

All Varieties, All Sizes.
Send for Price List

Joseph Heacock
Wyncote, Pa.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;
\$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

1911 Quincy St., - CHICAGO, ILL.

PALMS, FERNS, DECORATIVE AND
FOLIAGE PLANTS

Also Azaleas, Begonias, Bay and Box Trees

A. LEUTHY & CO.

Perkins Street Nurseries. Rosedale, — Boston, Mass.
Price list on application

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants

MARKET and 49th STREETS., PHILADELPHIA, PA.

CHRYSANTHEMUMS

For list of varieties and prices see page 687 Buyer's Directory.

ELMER D. SMITH & CO., Adrian, Mich.

CHICAGO NOTES.

A Joint Club Meeting.

An invitation has been extended by the Milwaukee Florists' Club to the Chicago Club to hold a joint meeting with them June 1st. At the regular meeting of the Chicago Club May 1st, action will be taken regarding it and no doubt Milwaukee will have an opportunity to be host on that day.

Trade News.

There has been a decided movement toward the remodeling and enlargement of retail stores lately. C. A. Samuelson, Mich. Ave. and 21st St., is taking his turn now and his already handsome store will be made still more convenient and attractive.

Florists are large owners of real estate and the Real Estate Show at the Coliseum is proving of interest to them. May 3rd will be known as Elmhurst Day, so named after that beautiful suburban town, and thirty thousand elm trees will be given away as souvenirs.

Florists are anticipating a lively demand for white carnations for Mothers' Day, which has been named as May 14th. Last year considerable sentiment was expressed in favor of making it a carnation instead of a white carnation day.

E. E. Peiser, head of the Kennicott Bros.' wholesale commission house, opened a branch store May 1st, in a portion of what was known as the Flower Growers' Market, now rented by the Percy Jones estate.

Personal.

H. C. Blewitt, who has been in poor health for several months, was able to be in the market Monday.

D. D. Johnson has just returned from a business trip to Buffalo, N. Y., and reports trade excellent in Evergreen Brand Fertilizer.

George Woodward is convalescing and plenty of flowers are finding their way to the hospital where he will stay another two weeks.

Fred Munsing, well known in Chicago, who has been in England the past year returned last week and re-enters the employ of F. Oechslein.

John Davey, who has made tree surgery a life study, has given some interesting and instructive talks on his "brothers," the trees, at the Coliseum.

Otto Freese took his friends by surprise Saturday when he took a trip to Milwaukee and brought home a bride, formerly Josephine Trude. Mr. and Mrs. Freese will make their future home in Western Springs, Ill.

Julius Schnap and family have gone to Seattle, Wash., to make it their future home. Mr. Schnap was for several years in the retail business on 47th street, and Miss Elsa Schnap has for the past two years been with the Alpha Floral Co.

Visitors—Geo. Serviss, Batavia, Ill.; J. A. Peterson, Cincinnati, O.; Wm. Graff, Columbus, O.

GARDEN ROSES

IMMEDIATE RESULTS IN THE ROSE-GARDEN

Large plants well established in 6-in. pots. Ready for shipment, in the following varieties:

KAISERIN AUGUSTA	VICTORIA
RICHMOND	ENCHANTER
KILLARNEY	PINK COCHET
WHITE KILLARNEY	WHITE COCHET
MRS. AARON WARD	

50c. each; \$5.00 per dozen; \$35.00 per 100.

A. N. PIERSON, Inc.
CROMWELL, CONN.

Own Root Roses

700 Own root, Mrs. Aaron Ward, at \$10.00.
1500 Grafted Pink Killarney at \$12.00.
1500 Grafted White Killarney at \$12.00.

Cash from unknown parties

Montrose Greenhouses.
Montrose, Mass.

JOHN T. WITHERS, Inc.

Landscape Architect and Forester

1 Montgomery St., JERSEY CITY, N. J.

Tree Renovation by Expert Operators.
Stereopticon lectures on Horticulture and Arboriculture.

CHOICE VARIETIES OF DAHLIAS AND POMPON Chrysanthemums

Well Started in Pots
Send for Catalogue

SHATEMUC NURSERIES
Barrytown, Dutchess Co., N. Y.

PHILADELPHIA NOTES.

Mr. and Mrs. M. Rice returned Monday on steamship "President Lincoln" from a nine weeks' trip abroad. They both enjoyed their trip very much. Mr. Rice will tell later of some of the good things he has secured.

Chas. E. Meehan, of the Pennock-Meehan Co., accompanied by his wife has been on a trip to Old Point Comfort, Norfolk, Portsmouth and Washington. The week consumed has been in the nature of a vacation combined with a little business on the side.

Anadarko, Okla.—The Anadarko Greenhouses are now owned by Mrs. C. G. Loving.

Lawrence, Mass.—Thornton Bros. have announced that they intend to dispose of their general art stock and will then enlarge their flower and seed departments.

A few years ago we lost a customer temporarily because one of our competitors bought bedding plants from him in exchange for his lily bulb order. He called it "reciprocity." For two years now he has had lilies a-la-dandelion blend which were hardly worth the space they occupied. After figuring it all out he finds his loss on lilies, based on his cut flower purchases to supply his trade, is far more than the entire value of the bedding plants. It took just three years to figure it out. It is all right to reciprocate when the values are the same, but on such a lopsided proposition it does not pay. Buy your goods where it pays you best to buy and sell your goods likewise, but don't let any one tell you where to sell and where to buy your goods because no one knows your business as well as yourself. When you want first class lily bulbs or French bulbs, you can get them here at prices consistent with the quality delivered. You can make more money on our kind than on any other kind you can buy. Write for prices.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

Cold Storage Giganteum. Multiflorum, Formosum, Speciosum, Auratum, Bamboo Canes, etc., on hand

Seed Trade

Hearing at Harrisburg.

A delegation of the Philadelphia seed trade headed by W. Atlee Burpee went to Harrisburg on the 2nd inst. to reason with the legislators on the pending seed bill. The senate committee gave them a most courteous hearing and readily agreed to the amendments suggested. Mr. Burpee stated that it was the general opinion of the trade that no bill was required but if there must be a bill of some kind to please the politicians then it should be made as reasonable as possible. In its present shape the bill now covers only half a dozen or so of the ordinary grasses and clovers in common use by farmers—all grasses and clovers not mentioned being exempt. On most of the items covered the percentage has been greatly reduced and it would seem as if the bill, if passed in its present shape, would do no great harm and would furnish a good easy berth for somebody as inspector. Vegetable and flower seeds are not mentioned at all. The general feeling seemed to be that if we are to have seed legislation it should be federal and not state. Mr. Miller of the Albert Dickinson Co. was present at the hearing and made some interesting statements. He said that thirty states had already passed seed laws of more or less severity but that up to date not a single prosecution had been heard of under any of these statutes. He thought that this showed their impracticability. To the writer's mind it also shows the high standing of the seed trade of the country—and that there hasn't been and there isn't now, any necessity for legislation of this kind. Harry L. Holmes of the Holmes Seed Co. of Harrisburg, has been a strenuous worker in looking after the seed interests in connection with this bill for a month back and has given generously of his time and money for the general good of the trade. Wm. Henry Maule of Philadelphia also deserves a hearty vote of thanks from the trade for his unselfish efforts to protect the general welfare. It was stated on good authority that if the bill was not reported from committee inside of a week it would not be possible to pass it. The hope of the trade therefore is that it may stay where it is and die a natural death but if it does go through it is not such a monster as it was. The amendments take away its most objectionable features.

On the Pennsylvania Seed Bill.

An expression of opinion from a farmer and seedsman of thirty-five years' experience in Europe and America. Submitted to the Legislative Committee at Harrisburg, May 2, 1911.

If such a bill is passed it will do away with another good old Pennsylvania industry and allow other states and foreign countries to supply an inferior article but yet give the almighty "purity and growth" which this extraordinary bill calls for.

Owing to our peculiar climatic conditions it is impossible to hold our farmers down to arbitrary germination of their seed crops; and while it is a well-known fact about Pennsylvania seeds, that while not always giving the high germination and purity that can be guaranteed by less desirable stocks, they when sown yield the farmer much more desirable and more satisfactory

crops. Take the past two seasons; both have been poor seeding years, and if such a bill had been in force the farmers would have been prohibited from getting any Pennsylvania seed at all at any price. Just think of the monstrous absurdity and wickedness of such a law.

Then consider things as they are. Everybody can get now just what they want and at their own valuation (as to fair price), and the crops in the Keystone State will be as good if not better than ever before (weather permitting; droughts, floods, bugs, blights, old Boreas, and other circumstances beyond human control, not counted).

On the other hand, if this bill be passed no Pennsylvania farmer in his senses will dare to save any of his own seeds but will have to depend on the legislative article from elsewhere (which will pass the letter of the law but will be very inferior in every other respect). The hardness to stand any winter such as Pennsylvania has will count for nothing. The drought-resisting qualities of the breed such as the hot summers of Pennsylvania call for, will count for nothing. No, nothing counts but that the rubbish from outside shall come up to the law standard of purity and germination. What ludicrous absurdity! Is a selfish, self-sufficient little coterie of pedants insisting on they know not what, going to be allowed to ruin the agricultural interests of Pennsylvania?

So far as any sane person can see, there is no necessity for any such bill. The farmers of Pennsylvania ought to do their utmost to place this matter in its proper light before their legislators, and thereby conserve the ancient industry of Pennsylvania Seeds for Pennsylvania Farmers. Must we throw away our valuable Pennsylvania seeds that suit our climate just because we have to sow them a little thicker after a bad season? Most farmers would rather have stocks growing 50 to 60 per cent. of acclimated and tested strains than the same thing growing 99 per cent. from some different environment; the latter, likely as not, picked up anywhere with nothing to recommend them but purity and germination.

Selection and improvement in seeds are the great things for Pennsylvania farmers, but these cannot be got by prohibitory laws based on "purity and germination" foolishness. How is it

that the agricultural industry of our state has managed to go on profitably and on an ever-improving scale for the past two hundred years without any grandmotherly supervision from Harrisburg? Why all this excitement now? Why these bills? There seems to be a mania for making bill and bills and bills, and it looks to an outsider as if a halt ought to be called somewhere.

I am a believer in progressiveness, but there is very little chance of any progress in repressive and impossible laws. Rather offer rewards for merit and then see how things would improve. To penalize where there is no crime and make a crime of innocence and virtue is both absurd and wicked.

Notes.

J. W. Edmundson has been appointed sales manager of the Braslan Seed Growers Co., San Jose, Calif.

On April 19 John C. Bodger, of John Bodger & Sons Co., Los Angeles, Calif., was united in marriage to Miss Bertha Jones.

Dallas, Texas.—The Texas Seed & Floral Co. is building a 100 x 150 foot warehouse of reinforced concrete construction to cost \$65,000.

San Antonio, Texas.—The United States Seed Co. has been incorporated with capital stock \$25,000. Incorporators, C. M. Rathbun, F. M. Roesch.

The Huber pure seed bill has been taken off the calendar in the Ohio senate and committed to the judiciary committee, which, it is said, is equivalent to a final burial.

Des Moines, Ia.—An Ohio seed man has made inquiry as to the practicability of establishing a wholesale seed store here. Also if from five to twenty acres of land suitable for an experiment farm could be secured.

Albert Dickinson, the millionaire seedsman of Chicago, was married on April 22 to Miss Emma L. Benham. Mr. Dickinson is 69 years of age and the marriage is said to have been the culmination of a twenty years' romance.

Asparagus Plumosus Nanus Seed

New Crop Just Received

True to Name and of High Germinating Quality

GREENHOUSE HOME GROWN SEED			LATHHOUSE GROWN SEED		
500	Seed.....	\$ 2.25	500	Seed.....	\$ 1.50
1,000	"	4.00	1,000	"	2.75
5,000	"	18.75	5,000	"	13.50
10,000	"	35.00	10,000	"	26.00
25,000	"	83.75	25,000	"	62.50

Send for our Florists' Price List.

HENRY F. MICHELL CO.

518 Market St.

Phila., Pa.

SEEDS BULBS

For Immediate Planting

Finest Florist Strains

"BUDS"

C. R. CLOECKNER, Pres.
76 Barclay Street, New York

All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
Marigolds, Gourds.

VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
Onions, Peas, Radish, Squash.

Lawn Grass and Clover Seeds, Best
Grades of Farm Seeds.

Dahlias, Tuberoses, Gladioli, Tuberous Begonias
Lycoris, Cannas, Coleus, Geraniums.

Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

JAMES VICK'S SONS

SEEDSMEN

ROCHESTER, N. Y.



BEGONIAS GLOXINIAS
in separate colors

Asters in all varieties and
in separate colors

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FOTTLER, FISKE, RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - BOSTON

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

ONION SETS
Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
228-230
W. KINZIE STREET CHICAGO

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:—I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

In ordering goods please add "I saw
it in HORTICULTURE."

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

In ordering goods please add "I saw
it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn & Sons Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas,
etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

Dreer's Select Potted Roses

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.



Hybrid Tea Rose Killarney

Hybrid-Tea Roses.

Novelties and Recent Introductions.

Strong Two-Year-Old Plants		Each
Comtesse Icy Hardegg (Soupert & Notting 1908).....		\$0.50
Cynthia Ford (H. Dickson 1909).....		.85
Chateau de Clos Vougeot (Pernet Ducher 1908).....		.50
Countess of Gosford (McGredy 1906).....		.35
Duchess of Wellington (Dickson & Sons 1909).....		.85
Dorothy Page Roberts (Dickson & Sons 1907).....		.50
Elizabeth Barnes (Dickson & Sons 1907).....		.50
F. R. Patzer (Dickson & Sons 1909).....		.85
Florence Edith Couthwaite (Dickson & Sons 1908).....		.65
Grace Molyneux (Dickson & Sons 1908).....		.75
Hon Ina Bingham (Dickson & Sons 1905).....		.50
His Majesty (McGredy 1909).....		.85
Hector MacKenzie (Gullot 1909).....		.50
H. Armytage Moore (H. Dickson 1907).....		.50
Instituteur Sirday (Pernet Ducher 1906).....		.50
James Coey (Dickson & Sons 1909).....		.85
John Cuff (Dickson & Sons 1908).....		.75
Juliet (Wm. Paul & Sons 1910).....		2.25
Kronprinzessin Ceclie (Schmidt 1908).....		.75
Kaiser Wilhelm II (N. Welter 1909).....		.50
Lady Faire (Bentley 1906).....		.35
Lady Ursula (Dickson & Sons 1908).....		.75
Lina Schmidt Michel (Lambert 1905).....		.50
Laurent Carle (Pernet Ducher 1907).....		.50
Lyon (Pernet Ducher 1907).....		.50
Lady Alice Stanley (McGredy 1909).....		.85
Mrs. Harold Brocklebank (Dickson & Sons 1907).....		.50
Mme. Melanie Soupert (Pernet Ducher 1906).....		.50
Mme. Maurice de Luze (Pernet Ducher 1907).....		.50
Mrs. Peter Blair (Dickson & Sons 1906).....		.35
Marquise de Sinety (Pernet Ducher 1906).....		.75
Margaret Molyneux (Dickson & Sons 1909).....		.85
Mary Countess of Hchester (Dickson & Sons 1909).....		.85
Mrs. Aaron Ward (Pernet Ducher).....		.40
Mrs. A. R. Waddell (Pernet Ducher 1908).....		.50
Margaret (Wm. Paul & Sons 1909).....		.75
Mrs. Arthur Munt (Dickson & Sons 1909).....		.85
Mrs. Wakefield Christie Miller (McGredy 1909).....		.85
Mme. P. Euler (Gullot 1908).....		.50

Mrs. Alfred Tate (McGredy 1909).....	\$0.
Mrs. Edward J. Holland (McGredy 1909).....	2.
Mrs. Charles Custis Harrison (Dickson & Sons 1910).....	2.
May Kenyon Stanley (Dickson & Sons 1910).....	2.
Otto von Bismarck (Schmidt 1909).....	2.
Reine Marguerite D'Italie (Soupert & Notting 1905).....	2.
Rosa Verschuren (Verschuren 1905).....	2.
Theresa (Dickson & Sons 1908).....	2.
Walter Speed (Dickson & Sons 1909).....	2.

Hybrid-Tea Roses. Select Standard Varieties.

Strong Two-Year-Old Plants.

Per 100		Per 1
Antoine Rivoire.....	\$30.00	Kaiserin Augusta Victoria..... \$25.
Bessie Brown.....	30.00	Lady Ashtown..... 30.
Betty.....	30.00	La Detroit..... 30.
Belle Siebrecht.....	30.00	La Tosca..... 30.
Celia.....	40.00	La France..... 25.
Caroline Testout.....	25.00	Lady Wenlock..... 30.
Dean Hole.....	30.00	Le Progres..... 30.
Earl of Warwick.....	30.00	Liberty..... 30.
Ecarlate.....	30.00	Mme. Philippe Rivoire..... 30.
Ellen Willmot.....	30.00	Mme. Paul Oliver..... 35.
Edu Meyer.....	30.00	" Jenny Gillemot..... 30.
Florence Pemberton.....	30.00	" Edmee Metz..... 30.
Frau Lila Rautenstrauch.....	30.00	" Jules Grolez..... 30.
Franz Deegen.....	30.00	" Abel Chatenay..... 30.
Farben Konigin.....	30.00	" Ravary..... 30.
Gustav Grunerwald.....	30.00	" Leon Pain..... 30.
Grace Darling.....	30.00	" Pernet Ducher..... 30.
Goldelse.....	30.00	Mildred Grant..... 30.
General MacArthur.....	30.00	Mrs. John Bateman..... 35.
Grand Duke Adolphe de Luxembourg.....	30.00	Mons. Paul Lede..... 35.
Gruss am Teplitz.....	25.00	Pharisaer..... 30.
Hon. Edith Gifford.....	30.00	Prince de Bulgarie..... 30.
Joseph Hill.....	30.00	Richmond..... 30.
Killarney.....	30.00	Souvenir de President..... 30.
Konigin Carolla.....	30.00	Carnot..... 30.
		Viscountess Folkestone..... 30.



Hybrid Tea Rose, Bessie Brown

Henry A. Dreer, Inc., 714 Chestnut Street
Philadelphia, Pa.

The above prices are intended for the trade only.

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING



Rose Mme. Gabriel Luizet

Tea Roses.

Novelties and Recent Introductions.

Strong Two-Year-Old Plants		Each
Hugo Roller (Wm. Paul & Son 1907).....		\$0.50
Harry Kirk (Dickson & Sons 1907).....		.50
Molly Sharman Crawford (Dickson & Sons 1908).....		.65
Mrs. Foley Hobbs (Dickson & Sons 1910).....		2.00
Nita Weldon (Dickson & Sons 1909).....		1.00

Tea and Other Everblooming Roses.

Two-Year-Old Plants.		Per 100
Catherine Mermet.....	Maman Cochet Pink.....	\$25.00
Comtesse Riza du Parc.....	" " White.....	25.00
Corallina.....	Marie Van Houtte.....	25.00
Charlotte Klemm.....	Mme. Joseph Schwartz.....	20.00
Comtesse du Cayla.....	Papa Gontier.....	25.00
Clothilde Soupert.....	Queen Mab.....	25.00
Duchess de Brabant.....	Queen's Scarlet, or Agrip- pina.....	20.00
Etoile de Lyon.....	Souvenir de Pierre Not- ting.....	30.00
Francisca Kruger.....	Souvenir de Catherine Guillot.....	30.00
G. Nabonnand.....	Safrano.....	25.00
Hermosa.....	William R. Smith.....	25.00
Leonie Lamesch.....		
Mrs. B. R. Cant.....		

Hybrid Perpetual Roses.

Two-Year-Old Plants.		Per 100
Alfred Colomb.....	Frau Karl Druschki.....	\$25.00
Anna de Diesbach.....	General Jacqueminot.....	25.00
Alfred K. Williams.....	Gloire de Margottin.....	25.00
American Beauty.....	Gloire de Lyonaise.....	25.00
Baroness Rothschild.....	Her Majesty.....	30.00
Camille Bernardin.....	Hugh Dickson.....	25.00
Capt. Christy.....	Jean Liabaud.....	25.00
Captain Hayward.....	Louis Van Houtte.....	25.00
Clio.....	Magna Charta.....	20.00
Charles Lefebvre.....	Mrs. R. G. Sharman Crawford.....	25.00
Duke of Edinburgh.....	Mrs. John Laing.....	25.00
Earl of Dufferin.....	Mabel Morrison.....	25.00
Fisher Holmes.....	Mme. Victor Verdier.....	25.00
Francis Michelin.....		

Per 100		Per 100	
Mme. Gabrielle Luizet...	\$25.00	Rodocanachi	\$25.00
Marie Baumann.....	25.00	Soleil d' Or.....	30.00
Paul Neyron.....	25.00	Tom Wood.....	25.00
Prince Camille de Rohan.....	25.00	Ulrich Brunner.....	25.00
Queen of Queens.....	25.00	Victor Verdier.....	25.00

Baby Rambler Roses.

Per 100	
Annechen Muller, Pink Baby.....	\$20.00
Catherine Zelmel, White Baby.....	20.00
Mme. Norbert Levavasseur, Crimson Baby.....	20.00
Mrs. Cutbush, Cherry-red Baby.....	20.00

Rugosa Roses.

Two-Year-Old Plants.		Per 100
Blanc Double de Coubert.....		\$25.00
Nova Zembla.....		25.00
Rugosa, Red.....		15.00
" White.....		15.00

Moss Roses.

Strong Two-Year-Old Plants.		Per 100
Blanche Moreau.....		\$25.00
Comtesse de Muranaise.....		25.00
Crested Moss.....		25.00
Crimson Globe.....		25.00
Gloire de Mosses.....		25.00
Princess Adelaide.....		25.00

Sweet Briar Roses.

Strong, Two-Year-Old Plants.		Per 100
Refulgence (New), 75 cts. each.....		
Anne of Geierstein.....		\$30.00
Brenda.....		30.00
Lord Penzance.....		30.00
Lady Penzance.....		30.00
Meg Merillies.....		30.00
English Sweet Briar or Eglantine.....		15.00

Austrian or Yellow Briar Roses.

Two-Year-Old Plants.		Per 100
Austrian Copper.....		\$25.00
Austrian Yellow.....		25.00
Harrison Yellow.....		25.00
Persian Yellow.....		25.00

Rambler, Hardy and Tender Climbing Roses.

Strong, Two-Year-Old Plants.		Per 100
American Pillar.....		\$50.00
Baltimore Belle.....		20.00
Crimson Rambler.....		25.00
Climbing Clothilde Soupert.....		25.00
" Caroline Testout.....		30.00
" Belle Siebrecht.....		30.00
" Kaiserin Augusta Victoria.....		35.00
Dorothy Perkins.....		25.00
Delight.....		75.00
Excelsa, \$1.25 each.....		
Flower of Fairfield (Everblooming Crimson Rambler).....		30.00
Gloire de Dijon.....		30.00
Hiawatha.....		25.00
Lady Gay.....		25.00
Marechal Niel.....		30.00
Newport Fairy.....		25.00
Philadelphia Rambler.....		25.00
Prairie Queen.....		20.00
Reine Marie Henriette.....		30.00
Tausendschon.....		25.00
Trier.....		25.00
Veilchenblau (Blue Rose).....		35.00
White Dorothy.....		30.00
White Microphylla.....		25.00
White Banksia.....		25.00
Yellow Banksia.....		25.00
Yellow Rambler.....		25.00

Standard or Tree Shaped Roses.

Good Plants in Seven-Inch Pots.		Per 100
Caroline Testout.....		\$75.00
Frau Karl Druschki.....		75.00
Killarney.....		75.00
La France.....		75.00
Mme. Jules Grolez.....		75.00
Ulrich Brunner.....		75.00

Henry A. Dreer, Inc.,

714 Chestnut Street,
Philadelphia, Pa.

The above prices are intended for the trade only.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880, Aldine 881, Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

1 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Chicago, Ill.—The Busy Bee Floral Co. has moved to Central avenue, Evanston.

Albany, N. Y.—The store of William C. King, 24 Steuben street, has been discontinued.

Jersey City, N. J.—E. Bonnot has moved to 108 Newark ave from his old location at 162.

Boston, Mass.—The store adjoining their present location has been rented by Penn Bros., florists, and will be remodeled and connected with their present store.

New Orleans.—A letter from C. W. Eichling to his son Phil, who is man-

STEAMER DEPARTURES

Allan.

Parisian, Boston-Glasgow.... May 12

American.

New York, N. Y.-S'hampton... May 6

Philad'phia, N. Y.-S'hampton... May 13

Anchor.

Furnessia, N. Y.-Glasgow.... May 6

California, N. Y.-Glasgow.... May 13

Atlantic Transport.

Minnewaska, N. Y.-London... May 6

Minneapolis, N. Y.-London... May 13

Cunard.

Caronia, N. Y.-Liverpool.... May 6

Lusitania, N. Y.-Liverpool... May 10

Ultonia, N. Y.-Mediterranean... May 11

Ivernia, Boston-Liverpool.... May 16

Hamburg-American.

Cincinnati, N. Y.-Hamburg... May 6

Amerika, N. Y.-Hamburg.... May 11

Holland.

New A'ster'm, N. Y.-R'ter'm... May 9

Noordam, N. Y.-Rotterdam... May 16

Leyland.

Bohemian, Boston-Liverpool... May 13

North German Lloyd.

Koenigin Luise, N. Y.-Med'n... May 6

K'p'z Wilhelm, N. Y.-Bremen... May 9

Berlin, N. Y.-Mediterranean... May 13

K. Wilhelm II, N. Y.-Bremen... May 16

Red Star.

Kroonland, N. Y.-Antwerp... May 6

Finland, N. Y.-Antwerp.... May 13

White Star.

Arabic, N. Y.-Liverpool.... May 6

Cyrric, Boston-Liverpool.... May 9

Cretic, N. Y.-Mediterranean... May 10

Adriatic, N. Y.-Southampton... May 10

Celtic, N. Y.-Liverpool.... May 13

ager of the Harry Rowe store in Chicago, states that the florists of New Orleans are enjoying good business there this spring. Their Bermuda lilies, known there as Creole lilies, were in the best of shape at Easter. Mr. Eichling, who is president of the Avenue Floral Co., has great faith in the future of the South.

CONDEMNNS "CREPE PULLING."

A bill defining a "house of mourning" and making it unlawful to solicit floral trade at such a house, was introduced in the House of Delegates recently by Delegate Lawton at the request of Attorney Randolph Laughlin, representing the Retail Florists' Association of St. Louis. A house of mourning is defined as "a place of human habitation, whether house, flat, apartment, tenement or other residence, in which some one has died within four days preceding, and which has on its front door crepe or some other like emblem of bereavement." The solicitation is made a misdemeanor, punishable by a fine of not less than \$25 nor more than \$500. -St. Louis Globe-Democrat.

ALEX. McCONNELL

571 FIFTH AVENUE
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

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Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

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412 Columbus Ave.

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Deliver orders from any part of the country in

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42 West 28 St., NEW YORK

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Flower Deliveries

In Brooklyn and other Long Island Points
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

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DAYTON, OHIO

is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

PERFECT GOODS FOR PARTICULAR FLORISTS FOR DECORATION DAY

You can do a big business in our Metallic Designs. These we have been improving from year to year until now they are artistically beautiful, far ahead of anything in the market. **Send for an Illustrated Sheet.**

Novelty Crepe Flowers, Cycas Wreaths, Statice and Ammobium Wreaths, Wheat Sheaves, Baskets, Inscriptions, Cemetery Vases, Immortelles and many other seasonable Decoration Day Specialties that Sell.

For Spring Weddings we offer Bridal Bouquet Holders, Fancy Baskets in Great Variety of Style and Material. Also of the latter we have a Superb Stock in Novelty Quality for School Graduations, Commencements, etc.

Send for Complete Catalogue.

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

Established 1874.

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FLORIST**

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

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FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall Schools. **TALBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2 Night 44-3

In ordering goods please add "I saw it in HORTICULTURE."

PERSONAL.

Wm. Graff is now in the employ of Kennicott Bros., Chicago, Ill.

John Byers is now salesman for the Chicago Carnation Co., Chicago, Ill.

Aug. Sauter, florist, Nyack, N. Y., and Miss J. Greuter were married just before Easter.

Philip Moore has accepted a position as salesman with J. B. McArdle, Greenwich ave., Greenwich, Conn.

Bernard Breckner, florist, Bell avenue, Bayside, N. Y., was united in marriage to Miss E. Dionysius, recently.

John Chambers has been appointed head gardener Central Prison, at Toronto, Ont., Canada, taking the place of the late Wm. Houston.

F. X. P. Scully has accepted the position of manager for the Missoula Floral Co., a new company just established in Missoula, Mont., by Miss E. Reimers.

D. J. McNamarr has resigned as foreman for Hoyt Bros. Co., Spokane, Wash., and has gone to Portland to take a similar position. James Burns of Philadelphia succeeds him.

James Crosby, who has been gardener for Mrs. J. W. Tufts, Medford, Mass., for fourteen years, has resigned that position and gone to be superintendent to Mr. F. Lincoln Howes on his Groton estate. A brother of Mr. Crosby succeeds him on the Tufts estate.

Cincinnati visitor—Julius Dillhoff, representing Schloss Bros., New York.

Boston visitors: F. R. S. Balfour, London, England; A. Zirkman, representing M. Rice & Co., Phila., Pa.; Carl Jurgens, Newport, R. I.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Talby.

NEW FLOWER STORES.

Chicago, Ill.—C. Kerner, store at 3815 W. 26th St.
Brooklyn, N. Y.—Krieger & Weis, 318 Fulton street.
Chicago, Ill.—Otto Kuehnle, 3510 South Halsted street.
Somerville, Mass.—Davis Square Florist, Central building.
New Castle, Pa.—J. S. Hennon & Son, 18 North Mill street.
San Jose, Calif.—The Chas. C. Navlet Co., San Fernando and First street.

Special Beauties

Stems 36-inches and over
Per 100 **\$25.00**

None better—the kind of Beauties you want

Fine Snapdragon, per 100, **\$8.00**

Yellow Daisies, per 100, **1.50**

White Daisies, per 100, **1.00**

The Leo Niessen Co.

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CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

George B. Hart

WHOLESALE
FLORIST

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Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

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Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted

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WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON May 4	CHICAGO May 2	TWIN CITIES April 25	PHILA. May 2
Ara. Beauty, Fancy and Special...	20.00	25.00	30.00	15.00
Extra	12.00	15.00	25.00	10.00
No. 1	8.00	10.00	15.00	8.00
Lower grades	2.00	6.00	8.00	3.00
Bride, 'Maid, F. & S.	5.00	8.00	6.00	5.00
Lower grades	1.00	3.00	3.00	1.00
Richmond Chateaux, Fancy & Special	5.00	8.00	6.00	7.00
Lower grades	2.00	5.00	2.00	4.00
Killarney, My Maryland, Fan. & Spl.	4.00	8.00	6.00	8.00
Low grades	1.00	3.00	5.00	6.00
CARNATIONS, First Quality	1.50	3.00	2.00	3.00
Ordinary	.50	1.00	1.50	1.00
MISCELLANEOUS				
Cattleyas	30.00	35.00	40.00	50.00
Lilies, Longiflorum	5.00	8.00	10.00	6.00
Callas	5.00	8.00	10.00	8.00
Lily of the Valley	3.00	4.00	5.00	3.00
Violets	.25	.40	.50	.15
Mignonette	1.00	3.00	5.00	3.00
Lilac, per bunch	1.00	1.00	1.00	.75
Tulips	1.50	2.00	3.00	2.00
Daffodils	1.00	1.50	2.00	3.00
Daisies	.50	1.00	1.50	.50
Snapdragon	3.00	5.00	8.00	5.00
Sweet Peas	4.00	1.00	1.25	1.00
Gardenias	8.00	10.00	15.00	10.00
Adiantum	1.00	1.25	1.00	1.00
Smilax	12.00	15.00	20.00	15.00
Asparagus Plumosus, strings (100)	50.00	50.00	50.00	50.00
" " & Green (per bunch)	40.00	35.00	40.00	35.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

**OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS**

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
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BOSTON, MASS.

HOENBER BROS., 51 Wabash Ave., Cut Flowers ALWAYS GOOD, FRESH STOCK
CHICAGO, ILL.

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. Roses and Carnations Our Specialty

In writing to Advertisers kindly mention Horticulture

Flower Market Reports

BOSTON Street hawkers with arm-loads of Enchantress, Beacon and other popular varieties of carnations, with two-foot stems, 25 for 10 cents; a florists' window in Bromfield street with Killarney roses—pink and white—Richmond, etc., with 15 to 18 in. stems, neatly arranged in boxes of 25 each at 50 cents a box; these instances tell the story of the cut flower market just as well as a volume. Never before has the carnation end been so utterly swamped and demoralized; it is not a question of price, but simply what to do with them and how to get rid of them. The market at present is declared by wholesale dealers to be the worst on record. Demand has shrunk away to almost nothing and the only way to unload is by special outlet—such as department stores for gift purposes, etc., at special prices for large quantities. The prices as quoted in our printed lists afford practically no idea of the figures at which most of the stock is unloaded. Among the lively sellers heretofore were lily of the valley and sweet peas, but both have now flattened out and peas are selling at one-half of what they brought a week ago. Daffodils are coming in now from outside. Other outdoor material from southern points is due to begin soon and this will further embarrass the market. Some anxiety is expressed as to the Memorial Day supply, as heavy crops of roses and carnations may be entirely off by that time.

BUFFALO m weather prevailed the past week and the receipts were enormous, especially in the rose and carnation line and stock of all kinds accumulated to over-supply. Easter lilies were offered in abundance, but with no demand at all; nothing would move them. The same may be said of callas. Sweet peas were fine, also lily of the valley, which were about the only items that had a demand save smilax, which was the one scarce article. Unloading day was looked for on Friday and Saturday, but the day opened with threatening weather and a constant rain set in which lasted over Sunday, and the wholesaler had a good portion of material to carry over.

CHICAGO Local sales have been slow the past week and more stock has been sent in than the wholesalers could handle to advantage. Out-of-town orders have relieved the situation considerably for those who are fortunate enough to have acquired a good shipping trade which seems to be the key to the situation a large portion of the time. With quantities of carnations and roses it seems as if there could be no room for the southern stock which has been coming in for several weeks and while much is sold at all sorts of prices there is reason to believe that it has not paid very liberally this year to the southern shipper. And now the peony season is upon us and the prize shipments are here, adding another flower to an overfilled market. Lilacs have reached us in poor condition. Bulbous stock is good in quality but

SWEET PEAS

Through improved culture and the new introductions, Sweet Peas in all shades are now to be had the year round. At present the Sweet Pea is our typical Spring flower—selling more freely than at any time during the season. A number of our growers are now cutting from the new crops—quality very choice indeed.

Extra Long, - - - - \$1.50 per 100
Medium Stems, good quality - \$1.00 per 100
Short Stems, - - - - \$5.00 per 1000

BEAUTIES

Specials, \$25.00 per 100

Plenty shorter ones, also at correspondingly low prices; quality fine in all grades.

Three Splendid New Roses

“MELODY” the best yellow rose today; awarded Silver Medal at the National Flower Show, Boston, 1911.
“DOUBLE PINK KILLARNEY” the Killarney that will supersede the Killarney now grown.
“PRINCE DE BULGARIE” entirely different from any rose grown.

S. S. PENNOCK - MEEHAN CO.
THE Wholesale Florists of PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Av.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI April 25	DETROIT May 2	BUFFALO May 2	PITTSBURG May 2
Am. Beauty, Fan. and Sp.	15.00 to 25.00	20.00 to 30.00	20.00 to 25.00	20.00 to 25.00
“Extra	8.00 to 10.00	15.00 to 20.00	12.00 to 15.00	12.50 to 18.00
“No. 1.	4.00 to 5.00	10.00 to 15.00	5.00 to 10.00	6.00 to 10.00
“Lower grades.....	..... to 4.00	..... to 10.00	2.00 to 3.00	2.00 to 4.00
Bride, “Maid, F. & S. ....	..... to 6.00	0.00 to 8.00	5.00 to 6.00	..... to 6.00
“Low. gr.	2.00 to 3.00	3.00 to 7.00	2.00 to 3.00	..... to 6.00
Richmond, Chateau, Fancy & Special ..	..... to 6.00	0.00 to 8.00	5.00 to 6.00	6.00 to 10.00
“Lower Grades..	2.00 to 3.00	1.00 to 7.00	2.00 to 3.00	6.00 to 10.00
Killarney, My Maryland, Fan. & Spl. ....	..... to 6.00	0.00 to 8.00	5.00 to 6.00	6.00 to 10.00
“Low. Grades	2.00 to 3.00	3.00 to 6.00	2.00 to 3.00	3.00 to 4.00
CARNATIONS, First Quality .....	..... to 3.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
“Ordinary .....	..... to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50
MISCELLANEOUS				
Cattleyas .....	..... to 5.00	..... to 5.00	5.00 to 6.00	6.00 to 7.50
Lilies, Longiflorum.....	6.00 to 8.00	..... to 12.50	6.00 to 8.00	6.00 to 10.00
Callas	6.00 to 8.00	..... to 8.00	6.00 to 8.00	..... to 10.00
Lily of the Valley.....	..... to 30.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Violets .....	..... to .50	..... to .75	..... to .50	..... to .50
Mignonette	8.00 to 10.00	3.00 to 6.00	2.00 to 3.00	2.00 to 4.00
Lilac, per bunch.....	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.25
Tulips	2.00 to 3.00	..... to 3.00	..... to 1.00	..... to 2.00
Daffodils .....	..... to 2.00	..... to 3.00	..... to 1.00	..... to 2.00
Daisies .....	..... to .50	..... to 1.00	..... to 2.00	..... to 2.00
Snopdragon.....	8.00 to 10.00	3.00 to 8.00	5.00 to 6.00	4.00 to 8.00
Sweet Peas.....	.25 to .75	..... to 1.00	..... to .75	..... to 1.00
Gardenias.....	..... to 1.00	..... to 1.50	..... to 1.50	..... to 1.25
Adiantum .....	..... to 12.00	15.00 to 15.00	..... to 1.00	..... to 15.00
Smilax	10.00 to 50.00	30.00 to 50.00	50.00 to 60.00	30.00 to 40.00
Asparagus Plumosus, strings (100) ..	..... to 25.00	30.00 to 50.00	35.00 to 50.00	..... to 50.00
“& Spren. (100 bchs.) ..	..... to 25.00	30.00 to 50.00	35.00 to 50.00	..... to 50.00

(Continued on page 685)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

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Wholesale Commission Florist,
Choice Cut Flowers,
47 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

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All choice cut-flowers in season. Send
for quotations. Correspondence with
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D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
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Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
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Wholesale Commission Florists
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45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
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A. MOLTZ & CO.
Wholesale Florists
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NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto
Tel. 1519 5893 (Mad. Sq.) 113 W. 28 St., New York.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware, Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

SEND YOUR FLOWERS
Where best market rates and prompt payments are assured.
Growers of flowers for New York market start the season right
by calling and talking it over. Established, 1887. Open, 5 a. m.
J. K. Allen, 106 W. 28th St., New York Phone 167-4408
Madison Sq.

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Telephone 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending Apr. 29 1911		First Half of Week beginning May 1 1911	
American Beauty, Fancy and Special.....	8.00	to 20.00	10.00	to 20.00
" " Extra.....	5.00	to 6.00	5.00	to 8.00
" " No. 1.....	2.00	to 5.00	2.00	to 4.00
" " Lower Grades.....	.....	to .50	.50	to 1.00
Bride, 'Maid, Extra and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Chateauf, Extra and Special.....	4.00	to 10.00	5.00	to 10.00
" " Lower Grades.....	.50	to 3.00	.50	to 3.00
Killarney, My Maryland, Extra and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.50	to 3.00	1.00	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to .75

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1664 { Madison Square
 { 1665 {
CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
CONSIGNMENTS SOLICITED
136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
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Telephones: 798 and 799 Madison Square
Consignments Solicited

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CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.



Flower Market Reports

(Continued from page 683)

has been so continually before the buyers for many months that they are not enthusiastic over it. Good lily of the valley is scarce; lilies far too plentiful; violets the same and sweet peas probably hold their own the best of all the flowers since the holidays.

The feature of the

CINCINNATI market the past week was the good demand

for sweet peas, with a very light supply. Lily of the valley had the next call and as usual the supply is light when the demand is heaviest. Beauties which were on the short side of the market are now coming in more freely, the price low considering the quality. Other roses are in heavy crop and moving slowly, Killarney, White Killarney and My Maryland cleaning up to better advantage than others. While the cut of carnations is heavy the demand is keeping in step so that the average price is good for the season. There is an overabundance of lilies and prices are sacrificed to make sales. The end of the glut on these is very near and prices soon will resume their normal level. There is a goodly amount of antirrhinum offered. Out-door lilac is now to be had. Stocks both single and double, daisies and out-door daffodils move freely. Smilax is on the short side; other green goods plentiful.

Very little to say about **DETROIT** business. Everybody is more or less hustling with an overabundance of stock to select from. Between special sales in some of the stores and great activity among fakirs this stock is kept down fairly well. Lilies are as much in excess of demand as ever and smilax is very scarce.

There is nothing in the present or near future that holds any hope of improved conditions in the cut flower line. The supply of roses, carnations, bulbous stock, gardenias and sweet peas is far in excess of the demand, which seems to be growing less day by day. If anything has the preference at times it is American Beauties of the best quality; these do have an occasional spurt and have the distinction of advancing once in a while even though they decline the day after. The disposal of stock in general is a problem and clean-ups are the exception. It has been possible to move carnations up to this week and now they are accumulating for lack of buyers. Products from out-doors include lilac, tulips, lily of

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

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Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Apr. 29 1911		First Half of Week beginning May 1 1911	
Cattleyas.....	25.00	to 40.00	25.00	to 50.00
Lilies, Longiflorum.....	2.00	to 3.00	2.00	to 4.00
Callies.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Mignonette.....	.50	to 2.00	.....	to
Lilac, per bunch.....	.50	to .75	.35	to .75
Tulips.....	1.00	to 2.00	1.00	to 2.00
Daffodils.....	1.00	to 1.50	.25	to 1.50
Daisies.....	.25	to 1.00	.25	to 1.00
Snapdragon.....	.....	to .....	.....	to
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 6.00
Gardenias.....	8.00	to 10.00	1.00	to 8.00
Adiantum.....	1.00	to 1.25	.75	to 1.25
Smilax.....	8.00	to 15.00	8.00	to 15.00
Asparagus Plumosus, strings.....	to 5.00	to 5.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

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\$1.75 per 1000. A-1 STOCK

Discount on Large Orders

Send us your order now for Memorial Day use and get the best stock.



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WE NEVER DISAPPOINT
Brilliant Bronze and Green Galax, \$1.00 per 1000, \$7.50 per case.
Boxwood, 50 per lb., or \$7.50 per case.
Bronze Leucothoe Sprays, \$1.00 per 100.
Laurel Wreaths, extra nice, \$1.00 per doz.
Laurel Festooning, the best, \$5.00 per 100 yds.
Branch Laurel, 35c per large bundle.
Sphagnum Moss, \$4.00 per bale.
Bouquet Green, 7c per lb.

MILLINGTON, MASS.



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Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked

1164-66 Greene Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.

the valley and jonquils. Violets have gone off in quality and those coming in cannot be sold.

ST. LOUIS slow again all of last

week and stock of all kinds is as plenty as the week previous and with a promise to so continue all of this week. Prices have taken a big drop on all stock in big lots. The heavy downpour of rain which continued from Thursday to Monday caused a depression on the florists all over the city and any kind of transient trade was out of the question. Some of the West End florists say that they have a number of weddings for this month and that the plant trade has opened up in splendid shape and all plants are selling well.

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
USE BY THE



Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

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Inscriptions, Emblems, etc. Always in Stock.

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W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75; 50,000... \$7.50. Sample free.

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Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 23 State St., Boston.
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Agatheas, 2½-in., \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

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Ageratum Stella Gurney, strong, 2c. C. H. Jacobs, Westfield, Mass.
Ageratum. Rooted cuttings, \$5.00 per 1000.
The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

The best Blue and White Flowering varieties, 2¼ inch pots, 40c. per dozen; \$2.50 per hundred.

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THE GOOD & REESE CO.,
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Alternanthera, 2 inch, red and yellow, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2¼ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. **Joseph Traudt, Canajoharie, N. Y.**

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AMPELOPSIS VEITCHII, 2 year, 18 to 24 inch tops, \$1.75 per dozen, \$12.00 per 100.
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A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanaus.
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Asparagus Sprengeri, strong, thrifty, 2½ and 3-in., 3c and 4c. Cash.
John F. Flood, Montvale, Mass.

Asparagus S., 4 inch, at \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

Asparagus Sprengeri, strong 3 in. plants, \$5.00 per 100. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

ASPARAGUS SPRENGERII, 2¼ inch pots, \$2.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

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Aquatic plants. Sagittaria natans. Write for prices. **S. V. Smith, 3323 Goodman St., Philadelphia.**

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High Grade Asters.
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AUCUBA JAPONICA VARIEGATA.
This is a grand plant for the center of vases, green foliage with large yellow spots, very showy plants, 2½ to 3 feet high; well branched. 65c. each, \$6.00 per dozen.

AUCUBA JAPONICA BERRIED TYPE.
Dark green foliage, the plant almost hid with bright scarlet berries, plants two feet high; well berried. 75c. each; \$8.00 per dozen.

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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Tuberous Rooted Begonias.

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Begonia Lorraine, 2¼ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. **Julius Roehrs, Rutherford, N. J.**

Begonia luminosa, pink and red, 2½-in. pots, \$2.50 per 100; 3-in. pots, \$4.00 per 100. Cash with order or satisfactory references. **John Boehner, 18 Obell Ct., Dayton, O.**

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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New England Nurseries, Inc., Bedford, Mass.

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A. Leuthy & Co., Roslindale, Mass.
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Box Trees all sizes. Ask for special list. **Julius Roehrs Co., Rutherford, N. J.**

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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BULBS AND TUBERS—Continued

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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
Begonias, Gloxinias.

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E. S. Miller, Wading River, N. Y.
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Calla Little Gem, strong 2½-in., \$4.00 per 100; thumb pots, \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

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Wood Bros., Fishkill, N. Y.
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Canna Roots.

Cannas, 4 inch, under name Extra Strong, \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

Cannas in large variety, dormant roots and plants. Send for our new price list. **Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.**

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Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.

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Pillsbury's Carnation Staple, 50c. per 1000, postpaid. **I. L. Pillsbury, Galesburg, Ill.**

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Carnation Scarlet Glow.

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Chicago Carnation Co., Joliet, Ill.
Carnation Washington.

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Poehlmann Bros., Morton Grove, Ill.
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Harlowarden Greenhouses, Greenport, I. I., N. Y.

Bargain in Carnation Plants.

New and standard carnation rooted cuttings. Send for price list. **Wm. Swayne, Kennett Square, Pa.**

Carnation cuttings, 2¼ in. pots and beds, \$2.00 per 100. 1500 Queen. 700 Victory. Cash, please. **H. Clement Brown, R. D. 2, Rising Sun, Md.**

Early carnation cuttings. Place your orders now and you will get immediate delivery. **Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000.** We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. **J. D. Thompson Carnation Co., Joliet, Ill.**

For List of Advertisers See Page 692

CARNATIONS—Continued**THE NEW HARDY EVER-BLOOMING CARNATION "CRIMSON KING."**

Everybody has asked for a Carnation that would live out in the garden during the winter. We have pleasure in offering this new plant, as it will fill the bill. It is absolutely hardy, standing even the Canadian winters in the yard. It blooms all summer long; never a day that you cannot cut blossoms. By potting up in the fall you can have flowers in the house all winter. The color is a rich crimson, the fragrance is delicious. We know of no plant that the florists can offer to their patrons that will give as much satisfaction as the Hardy Carnation "Crimson King." 2½ in. pots, per dozen, \$1.25; per 100, \$8.00; per 1000, \$75.00. Twenty-five plants sold at hundred rates; 250 plants at thousand rates.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,

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Chrysanthemums F. E. Nash and Pioneer.
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Wood Bros., Flakill, N. Y.

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Elmer D. Smith, Adrian, Mich.

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Shatemuc Nurseries, Barrytown, N. Y.

Pump n Chrysanthemums.

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Chrysanthemum rooted cuttings. Send for price list. **Wm. Swayne, Kennett Square, Pa.**

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings. **R. Halliday, Amorita, Dr. Enguehard, Ivory, J. Jones, White Jones, Minnie Bailey, Bounaffon, Rosiere, Polly Rose, Mrs. Lotz, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.**

SMITH'S**CHRYSANTHEMUMS****WEEKLY BULLETIN.**

Prime stock ready for immediate delivery. Price, except where otherwise quoted \$3.00 per hundred, \$35.00 per thousand.

Not less than 25 of a kind at hundred and 250 at thousand rate.

WHITE—Smith's Advance, 50c. each, \$4.00 per ten; \$35.00 per hundred. Polly Rose, Oct. Frost, Ivory (Indiana \$4.00—\$35.00). Mrs. H. Robinson, Pres. Taft, Mlle. Margaret Desjouis, Mrs. Wm. Arnold, (Lynnwood Hall \$4.00—\$35.00). W. H. Chadwick \$4.00—\$35.00. (White Helen Frick \$5.00—\$45.00). (Thanksgiving Queen, 50c. each, \$4.00 per ten, \$35.00 per hundred). Jeanne Nonin, (Dec. Gem, 50c. each, \$4.00 per ten, \$35.00 per hundred). **YELLOW—Golden Glow (Yellow October Frost, \$4.00—\$35.00), Comoleta (Yellow Ivory, \$4.00—\$35.00), (Donatello, \$5.00—\$45.00). Col. D. Appleton, Major Bounaffon (Dolly Dimple, \$4.00—\$35.00), (Roman Gold, 50c. each, \$4.00 per ten, \$35.00 per hundred), (Golden Chadwick, \$5.00—\$45.00). Yellow Mrs. Jones (Nagoya, \$4.00—\$35.00).**

PINK—Unaka, 50c. each, \$4.00 per ten, \$35.00 per hundred. Glory of Pacific, Pacific Supreme, Gloria, Pink Ivory, Mrs. Wm. Wincott, (Patty, \$4.00—\$35.00), Minnie Bailey, Maud Dean, Helen Frick.

ANEMONES—WHITE, Garza, Mrs. August Knab. YELLOW, Gertrude Wilson, Lida Thomas. PINK, Ada Sweet, Katherine Simmons, Vayenne. POMPONS—WHITE, Diana, Lula. YELLOW, Baby, Iva, Klondike, Skibo. PINK, Alma. BRONZE, Cleopatra. SINGLES WHITE, Lady Lu. YELLOW, Little Barbee. PINK, Catharine Livingston, Itaska, Lillie Godfrey, Alice Branson Houston, Mrs. J. A. Peterson. RED, Bishop Henninghaus. Minnesota. BRONZE, Arlee, Peter Pan.

This Bulletin will be changed each week to comply with stock on hand.

Rooted cuttings will be furnished at 50c. per hundred, \$5.00 per thousand and less than prices quoted above.

ELMER D. SMITH & CO., Adrian, Mich.

CHRYSANTHEMUMS—Continued

Chrysanthemums. Enguehard, Bounaffon, Napier, Polly Rose and Pacific Supreme, strong, healthy 2½-in. plants. \$2.00 per 100; \$18.00 per 1000. Cash. **H. E. Mitting, Atchison, Kan.**

CINERARIAS

Cinerarias best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. **J. C. Schmidt, Bristol, Pa.**

Cinerarias, Columbian. Strong 2½-in., \$2.50; 3-in., \$3.50, 100. **Wm. Dethlefs, Mitchell, S. Dak.**

CLEMATIS

CLEMATIS PANICULATA GRANDIFLORA, strong, one-year field grown, \$6.50 per 100, \$60.00 per 1000.

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10,000 Clematis paniculata seedlings (I grow my own seed), \$7.50 per 1000. Clematis paniculata, out of 2-in. pots, \$20.00 per 1000. Cash with order.
S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

Clematis paniculata from 2 in. pots, \$2.50 per 100; \$20.00 per 1000. Cash. **H. G. Norton, Perry, Ohio.**

COBEAS

Cobea, 4 inch, at \$10.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

COCOANUT FIBRE SOIL

10th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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A. N. Pierson, Inc., Cromwell, Conn.

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All the leaders, except yellow flinged varieties, 2½ inch pots, \$2.00 per hundred; \$18.00 per thousand.

Coleus, yellow foliaged varieties, 2½ inch pots, \$2.50 per hundred.

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COREOPSIS**COREOPSIS LANCEOLATA GRANDIFLORA.**

Invaluable for cutting; field plants divided. \$2.50 per hundred.

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We offer twenty of the choicest varieties of Crotons, suitable for bedding, 2½ inch pots, 60c. per dozen; \$4.00 per hundred; \$35.00 per thousand.

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Edwards Folding Box Co., Philadelphia
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Folding cut flower boxes, the best made. Write for list. **Holton & Hunkel Co., Milwaukee, Wis.**

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. **Julius Roehrs Company, Rutherford, N. J.**

CYCLAMEN GIGANTEUM.

The finest strain, 2½ inch pots, \$4.00 per hundred.

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Cyperus alternifolius, \$3.00 per 100. Geo. H. Mellen Co., Springfield, Ohio.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Shatemuc Nurseries, Barrytown, N. Y.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? **Geo. H. Walker, Dahlia Export, North Dighton, Mass.**

Dahlias, 750,000 clumps to offer. Send for list of your wants to the **Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.**

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. **W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.**

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. **J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.**

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. **Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.**

Dahlia Bulbs for retail trade, \$3 per 100, \$25 per 1000. Each bulb labeled with name, variety and color; 100 lots will contain 5 each of 20 varieties, including Cactus, Show, Decorative, etc.

C. Peirce, Dighton, Mass.

In 50 best varieties, all classes and colors; divided field tubers, 75c. per dozen; \$6.00 per hundred.

Dahlias, green plants from 2½ inch pots. These will bloom best of all, in 100 leading varieties, 50c. per dozen, \$4.00 per hundred.

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THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

DAISIES

Daisies, Marguerites, 4 and 4½-in., nicely budded, \$10.00 per 100. Cash.

John Fuhlbruegge, Winona, Minn.

DAISY SHASTA

From 2½ inch pots, \$3.00 per hundred. Field Grown plants, 75c. per dozen; \$6.00 per hundred.

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DRACAENAS

Dracaena indivisa, 4 in., \$8.00; 5 in., \$18.00 and \$20.00; 6 in., \$25.00 and \$30.00 per 100. C. H. Jacobs, Westfield, Mass.

In writing to Advertisers kindly mention Horticulture

DRACAENAS—Continued

DRACENA INDIVISA

From 2 1/4 inch pots, \$3.00 per hundred. Our new trade list of everything you need now ready; mailed on application. Write today.

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The Largest Rose Growers in the World.
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ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100.
Wm. Nilsson, Woodlawn, New York City.

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T. C. Thurlow's Sons, West Newbury, Mass.
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Eastern Nurseries, Jamaica Plain, Mass.
Broad-Leaved Evergreens.

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John Scott, Brooklyn, N. Y.
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Frank Oechalin, 4911 Quincy Street,
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Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. E. Pierson Co., Tarrytown-on-Hudson,
N. Y.

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Thomas Roland, Nahant, Mass.
Boston and Scotti Ferns.

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Boston ferns, large 6 in. plants, 50c. each.
Edw. Doege, 4344 N. Springfield Ave.,
Chicago, Ill.

Boston ferns, strong runners, \$10.00 per
1000. Write for special prices on 5,000 to
20,000 lots. F. M. Soar, Little River, Fla.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F.
Anderson, Fern Specialist, Short Hills, N.J.

5000 Boston ferns, choice plants, 6 inch,
25c.; 2500 strong runners, Boston and Whit-
manii, ready for 2 1/2 and 3 inch, choice
stock. Cash.

A. G. Lake, Wellesley Hills, Mass.

Fine stock from 2 1/4 inch pots, ready now.
NEPHROLEPIS ROOSEVELT (the Foun-
tain Fern).

(New). See display advertisement in the
April 8 issue of HORTICULTURE. The
grandest of all ferns. We book your order
now for June 1st delivery. \$3.50 per dozen,
\$25.00 per hundred, \$200.00 per thousand.

NEPHROLEPIS BOSTONIENSIS (the
Boston Fern), \$3.50 per hundred, \$30.00 per
thousand.

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CANS (the Fish Tail Fern), \$4.00 per 100.

NEPHROLEPIS GOODII (the Baby's
Breath Fern), an improved Amerpohlii,
\$1.00 per dozen, \$7.00 per hundred.

NEPHROLEPIS SCOTTII (the Newport
Fern), \$4.00 per hundred.

NEPHROLEPIS SPRINGFIELDII (the
Springfield Fern), upright fern for vases,
\$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS SUPERBISSIMA (the
Fluffy Ruffles Fern) (New), \$1.00 per dozen,
\$6.00 per hundred.

NEPHROLEPIS WHITMANII (the Os-
trich Plume Fern), \$3.50 per 100.

NEPHROLEPIS HARRISII (the Harris
Fern), a sport from Boston of stiff, upright
growing habit, \$4.00 per 100, \$35.00 per 1000.

For larger size ferns write for prices.
Our new trade list of everything you need
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today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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FERTILIZERS—Continued

Hardwood ashes, best fertilizer on earth
for lawns and gardens. George Stevens,
Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and
renewer of fertility. For potted plants,
window boxes, lawns, gardens, shrubbery
and trees. The Humus Products Co., 292
North Sixth St., Newark, N. J.

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Feverfew, \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

FICUS

FICUS ELASTICA

Rubber plants, fine stock, \$4.00 per dozen;
\$30.00 per hundred.

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Write today.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 68 Pearl St.,
Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.

Immortelle Letters.

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FLORISTS' PRINTING

Best printing at lowest price. Ask for
samples. Prompt service. Many original
cuts. O. K. Fink, Pottstown, Pa.

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H. M. Robinson & Co., 15 Province St. and
9 Chapman Place, Boston, Mass.

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H. Bayersdorfer & Co., 1129 Arch St.,
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FRUIT BASKETS AND CRATES.

Webster Basket Co., Webster, N. Y.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

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Geraniums, Mme. Sallerol, 2 1/4-in., strong
cool grown plants, \$2.00 per 100; special
price on 1000.

J. L. Stone, Trumansburg, N. Y.

GERANIUMS—Continued

Geranium Mme. Sallerol, strong, cool
grown, heavy stock, ready immediate shift;
few thousand left, must go, \$2.00 100, spe-
cial price 1000. Cash please. Satisfaction
guaranteed. Round Lake Greenhouse, East
Lenox, Pa.

Geraniums, Double New Life, and Mrs.
Taylor, strong 2 1/4-in., \$3.00 per 100. Snow-
storm (silver leaved), \$4.00 per 100.

Geo. H. Mellen Co., Springfield, Ohio.

GLADIOLI

Gladiolus Bulbs, Groff's Hybrids, white
and light, pink and shades of pink; 1st
size, \$7 per 1000; 2nd size, \$4 per 1000.
Blue heliotrope and lavender mixture, \$10
per 1000, 1st prize; 250 at 1000 rates.

C. Peirce, Dighton, Mass.

Send for our list of choice gladioli and
dahlias. Cushman Gladiolus Co., Sylvania, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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politan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLOXINIAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.

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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

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Boston.

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HELIOTROPES

A. N. Pierson, Inc., Cromwell, Conn.
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Dark blue Heliotrope, 3½-inch, extra bushy, in bud and bloom, \$6.00 per 100. C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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HOLLYHOCKS

George F. Kimbel, Flourtown, Pa.
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Hollyhocks. Double field grown, large blooming size. Separate colors: Red, white, pink, yellow, maroon, bronze and black; also Allegheny strain in mixed colors. All at \$3.00 per 100; \$25.00 per 1000. Dahlias and hardy plants. Catalogue. W. W. Wilmore, Box 382, Denver, Colo.

HOSE

H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA (Hills of Snow) (New), 2-year-old field grown, 3 to 5 canes, \$2.00 per dozen, \$12.00 per hundred.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
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SPRINGFIELD, OHIO.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotinic kills all greenhouse pests. P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.

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Aphine.

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To-Bak-Ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

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GYPSY MOTH CREOSOTE

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.

IVIES

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

HARDY ENGLISH IVY.

3 plants out of 3-in. pots, 12 to 16 in. long, \$5.00 per 100. Cash with order. S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

German Ivy, 2½-inch, \$2.00 per 100; 3-inch, \$4.00 per 100. C. H. Jacobs, Westfield, Mass.

ENGLISH IVY

From 2½ inch pots, 50c. per dozen; \$4.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

JAPAN MAPLES

Japan Maple in leaf, 6 inch, \$1.00 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

JASMINES

Jasmine Maid of Orleans, 2½-in., strong plants, 6 to 10 in. high, \$4.00 per 100. Geo. H. Mellen Co., Springfield, Ohio.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE

Home Correspondence School, Springfield, Mass., Dept. 8.
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LANTANAS

Lantana St. Louis, 2½-in. pots, \$2.50 per 100. Cash with order or satisfactory references. John Boehner, 18 Obell Ct., Dayton, Ohio.

Lantanas, in variety, \$3.00 per 100. Weeping lantanas, 2½-in., \$3.00 per 100; \$25.00 per 1000. Geo. H. Mellen Co., Springfield, Ohio.

Best Dwarf Bedders, five distinct colors, 50c. per dozen; \$3.00 per hundred.

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THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMONS

American Wonder lemon, 2½-in., \$3.00 per 100; 4-in., \$15.00 per 1000. Geo. H. Mellen Co., Springfield, Ohio.

PONDEROSA LEMON

Gigantic fruit, 2½ inch pots, 50c. per dozen; \$3.00 per hundred.

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THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMON VERBENAS

ALOYSIA CITRIODORA (Lemon Verbena). The foliage has a decided lemon fragrance, 2½ inch pots, 50c. per dozen; \$3.00 per hundred.

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SPRINGFIELD, OHIO.

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY CLUMPS

Wm. Elliott & Sons, New York.
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LOBELIAS

Lobelia K. Mallard, good ones, 2½ in., 2c. J. Clint McPherson, Carrollton, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MESEMBRYANTHEMUMS

Mesembryanthemums, choice pink flowering, trailing plant, suitable for vases or hanging baskets. Strong rooted cuttings, \$1.10 per 100 prepaid.

H. Schlachter, St. Bernard St., Cincinnati, O.

MOON VINES

Godfrey Aschmann, Philadelphia, Pa.
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Moonvines, white, \$3.50 per 100; \$30.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.

IPOMEA MAXIMA, the giant flowering, flowers twice the size of the old variety. Order now as there are never enough moonvines to go around. 2½ inch pots, \$4.00 per 100; the old variety, \$3.50 per 100.

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SPRINGFIELD, OHIO.

MYRTLE

STRONG FIELD-GROWN PLANTS.
\$2.50 per 100; \$22.00 per 1000.

E. K. MOONEY.

MADEIRA NURSERIES, MADEIRA, O.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

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NIKOTEN APHIS PUNK

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Hardy, Northern Grown Stock.

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Eastern Nurseries, Jamaica Plain, Mass.
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McHutchison & Co., New York, N. Y.

Direct Importations.

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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manuel of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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S. D. Woodruff & Sons, New York, N. Y.

ORANGES**OTAHEITE ORANGE**

2½ inch pots, 50c. per dozen; \$3.50 per hundred.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Carrillo & Baldwin, Mamaroneck, N. Y.
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In writing to Advertisers kindly mention Horticulture

ORCHID PLANTS—Continued

Ordonez Bros., Madison, N. J., Box 105.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cyripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

Wanted—To buy orchids, established or unestablished plants, any quantity for cash.
E. L. N., 486 Broad St., Providence, R. I.

PALMS

A. Lenth & Co., Perkins St. Nurseries, Roslindale, Mass.
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Joseph Heacock, Wyncote, Pa.
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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies, \$3.50 per 1000; 100 prepaid, 50c. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PASSIFLORAS

Passiflora Pfordtii (blue), \$3.00 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Write for our special price list on peonies. We have all the good ones. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Petunias. Single, fringed California Giants, transplanted in soil, cool grown, \$1.50 per 100; \$14.00 per 1000. E. V. B. Felthousen, 184 Van Vranken Ave., Schenectady, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan E. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHLOX

Surplus stock. Phlox, all colors mixed, cheap. Also gladiolus bulbs. Write for prices.

E. T. Flanagan & Sons, Belleville, Ill.

PHLOX—Continued

We offer fifty thousand hardy phlox in 10 leading varieties, all colors, field grown plants, \$3.00 per hundred, \$27.50 per thousand. Our new trade list of everything you need now ready. Mailed on application. Write today.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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PIPE AND FITTINGS

Foley Mfg. Co., Chicago.
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Chinese Primroses from finest strain, 2½ inch pots, 50c. per dozen; \$3.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PRIVET

200,000 California Privet, fine 2-year-old stock, No. 1, 18 to 24 in., \$13.00 per 1000; 24 to 30 in., \$18.00 per 1000; 2½ to 3 ft., \$22.00 per 1000; 3½ to 4 ft., 3-year-old, \$30.00 per 1000. 1½ rates, \$1.75, \$2.25, \$2.75, \$4.00, up to 250. Clematis Punctulata XXX, fine 2-year-old vines, \$0.00 per 100. Ampelopsis veltchii, extra fine 2-year-old vines, 2½ to 4 ft., \$9.00 per 100, and fine 1-year-old vines, 2 to 3 ft., \$4.00 per 100. All field grown and packed free for cash. Benjamin Connell, Florist, Merchantville, N. J.

RHODODENDRONS

John Waterer & Son, Bagshot, England.
Hardy and Forcing Varieties.
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Montrose Greenhouses, Montrose, Mass.
Own Root White and Pink Killarney and Aaron Ward.
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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIAS

A. N. Pierson, Inc., Cromwell, Conn.
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Salvias, 2 inch, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

Salvia splendens seedlings, transplanted in soil, \$1.50 per 100; smaller stock, transplanted, \$1.00.

Russell Bros., R. D. 4, Syracuse, N. Y.

Salvias, scarlet and dwarf scarlet, \$2.50 per 100, \$20.00 per 1000.
Geo. H. Mellen Co., Springfield, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.
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S. D. Woodruff & Sons, New York, N. Y.

SEEDS

ASPARAGUS PLUMOSUS NANUS SEED.
\$2.50 per 1000.

PETER MACK, ORLANDO, FLA.

T. J. Grey Co., 32 So. Market St., Boston.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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Weeber & Don, New York, N. Y.
Florists' Flower Seeds.

Salvia Bonfire (C. Bedman), per oz., \$1.00; per lb., \$14.00; by mail at above prices.

Improved Crosby sugar corn. An all season's corn of the highest quality, will mature if planted as late as the 15th of July in this latitude. Hard shelled, \$2.50 per bu.

Chas. B. Hornor & Son, Mt. Holly, N. J.

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SNAPDRAGONS

Snapdragon Walke Seedling, pink, first prize National Show. Rooted cuttings, \$2.00 per 100. Cash. Ready in May. Loring Ave. Conservatories, Salem, Mass.

Snapdragon Walke Seedling, pink, first prize National Show. Rooted cuttings, \$2.00 per 100. Cash. Ready now. 2 1/4 in. pots in June, \$5.00 per 100. Loring Ave. Conservatories, Salem, Mass.

SOLANUMS

Solanum jasminoides, \$2.50 per 100; \$20.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.

SPIREA

Spiraea Gladstone in bud; nice plants, \$4.00 per dozen; in bloom \$6.00 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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SWAINSONAS

Swainsonas, pink and white, \$3.00 per 100. Geo. H. Mellen Co., Springfield, Ohio.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

Booking orders for tomatoes in 2-in., \$1.00 per 100; 2 1/2-in., \$1.50 per 100; 3-in., \$2.00 per 100. Also other vegetables and bedding plants. Guaranteed all satisfactory.

H. Klahr, Schoharie, N. Y.

Spring grown Jersey Wakefield cabbage plants, transplanted and cold frame hardened. Extra fine stock, 50c 100, \$4.00 1000. Russell Bros., R. D. No. 4, Syracuse, N. Y.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.
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VERBENAS

Finest seedlings from 2 1/4 inch pots, \$2.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

TITE GOOD & REESE CO.

The Largest Rose Growers in the World.
SPRINGFIELD, OHIO

VINCAS

Vinca variegata, 2 inch, 2 cts.; rooted cuttings, \$1.00 per 100. Russell Bros., R. R. 4, Syracuse, N. Y.

VIOLETS

Violets, hardy English or Russian, \$6.00 per 100; Princess of Wales and California, \$3.00 per 100.

Geo. H. Mellen Co., Springfield, Ohio.

WILLOWS

2000 Willow, fine clean stock. 500 Laurel Leaved, 8 to 10 ft., \$20.00 per 100. 100 Golden Barked Willow, 6 to 8 ft., \$12.00 per 100. 1400 Laurel Leaved, 2 to 3 ft. bushes, \$8.00 per 100. Cash with order. Jesse Pierce, Beverly Farms, Mass.

WIREWORK

Reed & Kueper, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

William E. Hellscher's Wire Works, 88-46 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c, a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS

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The Leo Niessen Co., Phila., Pa.
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Flower Market Reports.

(Continued from page 685.)

There was an abundance of flowers of all kinds in this market the past week. No shortage was apparent anywhere and in nearly every case far too many. Half of them could have been kept at home and the same average returns realized. In roses there was a larger surplus than has been experienced since the season commenced. American Beauty is plentiful and of fine quality. There is a good sale for same but at low figures. The hot weather has brought all roses in with a rush and many of them are rather soft and do not keep very well. Carnations have not suffered quite so much and, on the whole, may be considered a more satisfactory proposition for the time being. They move more freely but of course the prices are away down. As to quality, all are pretty good, with probably the exception of Beacon and Enchantress, which are a little soft in most cases. Orchids are in good demand and slightly more plentiful. Gardenias are fine but for some reason do not move off as quickly as they ought. Outdoor daffodils and tulips are now to be had in quantity, but these are mostly of the smaller flowered varieties as yet. In another week there will be much better stock. The aftermath of Easter is still in evidence in regard to the lily crop—those who missed connections keep piling in their stock—and the results are bad as might be expected. This item will not get back to its normal healthy condition as to supply and demand for some little time yet. Sweet peas of the new crop are very choice indeed, but there is a big lot of old-crop short-stem arriving, and these do not go. Lily of the valley is selling fine—one of the most satisfactory items on the market. New lilac, outdoor lavender, just commenced.

NEWS NOTES.

Brooklyn, N. Y.—The florist supply establishment of J. W. Merritt has moved to 386 Pearl street.

Bangor—Mrs. Jeannette Merrill, retail florist, was one of the sufferers by the great fire in this city, losing her residence and most of the contents.

In writing to Advertisers kindly mention Horticulture

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Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

HELP WANTED

HELP Furnished for greenhouses, gardens, estates, etc. Skilled and unskilled. **National Labor Exchange, 918 Walnut St., Phila., Pa.**
HENRY C. PRICE

WANTED—A sober and industrious all-round man in a retail florist establishment where a general variety of stock is grown. If married, no family. Geo. E. Felch, Ayer, Mass.

HELP WANTED—An experienced plant grower to work under foreman; send references and wages expected to Thomas Roland, Nahant, Mass.

SITUATIONS WANTED

GARDENER

English, married, one child 4 years, wants position as second in large establishment; excellent references.

E. SMITH, care Ralph Dalton, WELLESLEY, MASS.

SITUATION WANTED—Carnation, Violet, and 'Mum grower, good propagator, American, middle aged. J. P. Hersey, Roslindale, Mass.

SITUATION WANTED—By a young man, age 18, in a private garden; 3½ years' experience. Good references. T. Hurley, care Mr. Orr, 20 Chestnut Street, Charlestown, Mass.

ENGLISHMAN, for past ten years head gardener in England, age 31, seeks situation, private or otherwise. Experienced in all branches, inside and out. Willing to be "under" at good establishment. Excellent references. W. C., care HORTICULTURE.

Gardener (Scotch) wishes situation as head. Experienced in all branches of gardening, inside and out, and of landscape work. Highest testimonials. Age 37, married, no family. Disengaged middle of May. Address A. L., care HORTICULTURE.

FOR SALE

BOILER FOR SALE.

A Hodge make of East Boston tubular steam boiler in use a few months only, and in splendid condition. Length 13 ft. 4 in., diameter 40 in., 2 in. tubes, modern rocker grate, and complete front and all irons for bricking in. Price, loaded on your team here or on cars, \$100.00—and it is worth \$400.00. W. C. Ward, 577 Adams St., E. Milton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write **FARSHELSKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.**

Greenwich, Conn.—Alexander Mead & Sons have purchased a lot next to R. C. Webbs' market and will erect a brick building for their flower store upon it.

GREENHOUSES BUILDING OR CONTEMPLATED.

Delanson, N. Y.—Ernest Harris, one house.

Jersey City, N. J.—E. Bonnot, one house.

Noroton, Conn.—Traendly & Schenck, addition.

Mason, Mich.—Mrs. C. Sanderson, addition.

Chicago, Ill.—Frank Oechslein, range of houses.

Westboro, Mass.—Walter E. Draper, one house.

Westerly, R. I.—Victor Scholboe, one house.

Chicago, Ill.—Otto Kuehnell, house 18 x 100 feet.

Hollis, N. H.—George W. Coburn & Sons, addition.

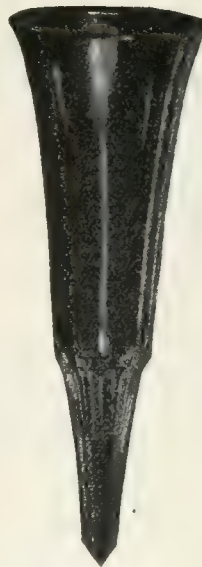
Middletown, N. Y.—F. X. Dienst, range of houses.

Park Ridge, Ill.—E. H. Meuret, house 27 x 210 feet.

Bangor, Me.—Adam Sekinger, rose house 35 x 300 feet.

Albany, N. Y.—Capitol City Nurseries, range of houses.

Hawley Cemetery Vase



The Hawley Glass Cemetery Vase, flared top, 5½ inches in diameter, 9 inches deep, inside measure, with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase, No. 1 in both green and white enamel, 6¼ inches deep and four inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6¼ inches deep 3¼ inches diameter and four inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Also, Stone Cemetery Vases in blue only. These are 6¼ inches deep, 4½ inches in diameter with a four inch spike. Price \$1.50 per dozen.

N. F. MCCARTHY & CO.,

84 Hawley Street
BOSTON, MASS

BUSINESS CHANCES

PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conservative, care HORTICULTURE.

Tobacco Paper

IS THE

STRONGEST,

BEST PACKED,

EASIEST APPLIED.

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"NICO-FUME"Furnishes the
Most Nicotine for the Money

... Manufactured by ...

THE KENTUCKY TOBACCO PRODUCT CO.,

Louisville, Ky.

LIQUID

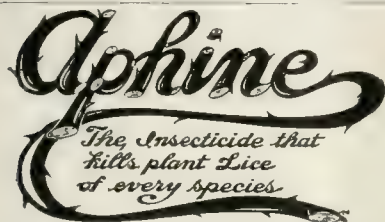
OVER 40% NICOTINE

By far the

CHEAPEST.

JUST NOTE PRICE!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDSMEN

Send for name of nearest selling agent.

Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country.

Aphine and Fungine can be used in house or field.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Cocoanut Fibre Soil

Fertilizer, tonic, moisture and everything necessary for bulbs, seeds, plants, lawns and especially your fruit trees, young and old. Nature's grower, not forcer.

20th Century Plant Food Co., Beverly, Mass.

"SCALECIDE"

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water.

Send for Booklet, "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

NEWS NOTES.

Lawrence, Kan.—The business of C. M. & S. E. Luther has been taken over by Norval Kline.

Gardena, Calif.—The Edendale greenhouses of Wright's Flower Shop, Los Angeles, are to be moved here soon.

Chicago, Ill.—Kennicott Bros. are to open a branch store on the second floor of the building at 60 Wabash avenue.

Le Roy, N. Y.—The Barlow greenhouses have been purchased by Fred Walter, who will remove them to his own place in North street.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

NIKOTEEN The most effective and economical material there is for spraying plants and blooms.

NIKOTEEN Skillfully extracted from leaf tobacco, and carefully refined, it is clean and easy to apply.

NIKOTEEN Does the work when vaporized either in pans, on pipes, or over a flame.

Full Pint Bottles, \$1.50.

NIKOTEEN APHIS PUNK

Specially prepared for fumigating closed houses. It vaporizes the Nicotine evenly and without waste. Nothing keeps a house free from Aphis so cheaply.

Price \$6.50 per case of 12 paraphrased boxes. All Seedmen.

Imp Soap Spray

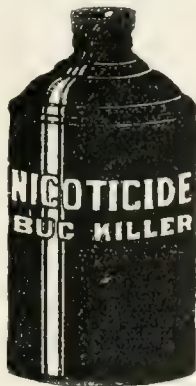
Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Single gallons, \$1.50

In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON



The Best
Bug Killer and
Bloom Saver

For PROOF

Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Green Flies and
Black ones too

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs

Satisfaction guaranteed or money back:
why try cheap substitutes that makers do not dare to guarantee

THE H. A. STOOHOF CO. MOUNT VERNON, N. Y.

KILMDEAD

The best of all
the tobacco
dusts for



Dusting or
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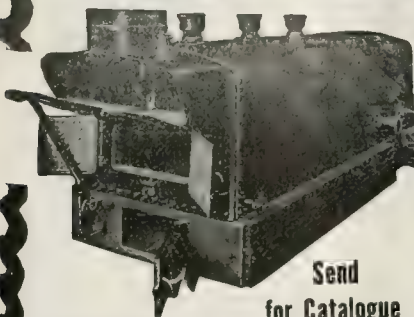
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30	16 in.	1.00	11.25	92.00
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NEWS NOTES.

Waterbury, Conn.—The greenhouses of Alexander Dallas, on Willow street are being dismantled and moved to Mill Plain.

Champaign, Ill.—The Illinois Central greenhouse, which supplies all the flower gardens along the Illinois Central line, will be moved to Flossmoor, about June 1.

Smith's Ferry, Mass.—The 46-acre Collins' Farm has been purchased by George H. Sinclair, florist, of Holyoke. He expects to improve and develop it and next year will build a large greenhouse.

Oklahoma City, Okla.—A severe hail storm on April 13 did considerable damage at Angel's Greenhouse. All the glass in the greenhouses at Wheeler was broken by this same storm.

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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate	\$4.88	144 6 in. pots in crate	\$3.26
1500 2 1/2 " " "	5.25	120 7 " " "	4.20
1500 3 " " "	6.00	60 8 " " "	3.00
1000 3 " " "	5.00	HAND MADE	
800 3 1/2 " " "	5.80		
500 4 " " "	4.50	48 9 in. pots in crate	\$3.60
450 4 1/2 " " "	5.24	48 10 " " "	4.80
320 5 " " "	4.51	24 11 " " "	3.60
210 5 1/2 " " "	3.78	24 12 " " "	4.80
		12 14 " " "	4.80
		6 16 " " "	4.50

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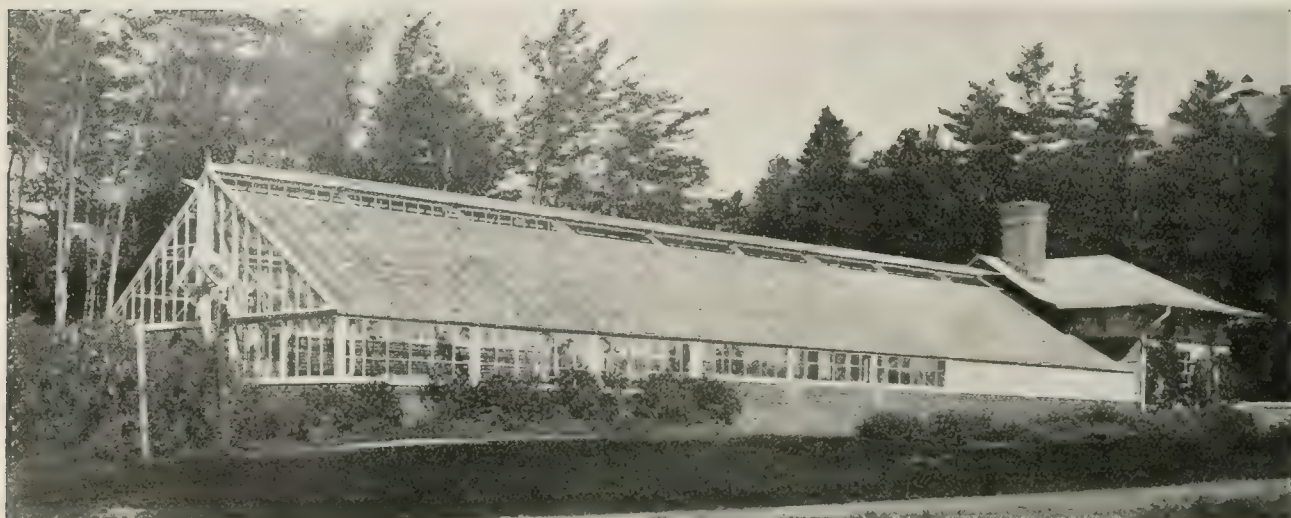
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HORTICULTURE

Vol. XIII.

MAY 13, 1911

No. 19



A BERMUDA LILY FIELD
(See paper on page 797.)

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We manufacture this shape in any size to order. This tub has become very popular. It conforms with all kinds of architecture.

Inches.	No. 1	No. 2	Inches.	No. 1	No. 2	Inches.	No. 1	No. 2
10 to 12.....	\$3 50	\$3 00	21 to 22.....	\$8 50	\$6 50	31 to 32.....	\$16 50	\$11 50
13 to 14.....	4 50	4 00	23 to 24.....	9 50	7 50	33 to 34.....	17 50	12 50
15 to 16.....	5 50	5 00	25 to 26.....	12 00	8 50	35 to 36.....	18 00	14 00
17 to 18.....	6 50	5 50	27 to 28.....	13 50	9 50	37 to 38.....	19 00	15 50
19 to 20.....	7 50	6 00	29 to 30.....	15 00	10 00	39 to 40.....	20 00	16 50

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It grows freely under the same treatment given its two parents, of which about 400 are grown here, all of which flower with the greatest freedom. In winter the temperature at night ranges from 60 to 65 degrees, with an occasional drop to 55 degrees, which will do no harm if the plants are kept on the dry side. 70 to 75 degrees during the day in winter is warm enough for them. During summer from 5 to 10 degrees more heat is given, also more moisture both at the roots and in the atmosphere. From the middle of February to the middle of September shading must be carefully attended to; for the rest of the year shade just enough to break the rays of the sun and ground glass answers the purpose here. We use osmunda fibre, but wherever sphagnum moss can be made to grow freely it is to be preferred.

M. J. Ope

Naugatuck, Conn.

A Gardener's Views on Mendel's Law

Editor HORTICULTURE:

Dear Sir:—Congratulations for your enterprise in introducing the readers of your magazine to the vitally important and intensely interesting "Mendelian law." To the thoughtful it will open various avenues of meditation that will be instructive mentally, and perhaps profitable commercially. I have in mind an esteemed craftsman who has thus been singularly favored from the latter standpoint, as no doubt he has from the other "mentally instructive." Yet I think he has been entirely unconscious as to the identity of the Mendelian law in relation to his adopted method and success of doing things.

He has established a method that might occur to any observant and practical person, only he has scrupulously adhered at all times to his plan of procedure wherein lies his uniform success in my estimation.

In short the method thus referred to, consists of the keeping of his seedling plants no matter how promising and excellent they may appear the first year, for a series of years, and until, figuratively speaking, they settle down from the exuberant vagrancy resulting from mixed progenitors to steadfast, everyday characteristics. No one studying Mendel's law but what must be struck with the necessity of adopting a plan of this kind if a reasonable assurance of permanent fixed characteristics be the objective point.

The person that I had in mind as above mentioned is "honest Peter Fisher of Ellis, Mass."—as they call him in England, and surely we honor him not less than the Englishman on the same grounds that called forth the latter eulogy. Doubtless, as premised, Mr. Fisher has arrived on parallel lines with the Mendelian law from nature's gift of cannyness backed with a scrupulous honesty of aim.

I have been drawn to say more than I intended to say when I started to congratulate you for your praiseworthy enterprise in putting before your readers such an interesting subject as the Mendel law, for more than one reason. First, the importance as I see it, of its study to the younger generation of horticulturists, and the tucking away of its salient points in their memory vest-pockets, to be recalled as necessity requires for further practical uses. Secondly, I always have had and do now have an idea that, hitherto, even successful raisers of plants have approached the subject in a bungling and child-like way, largely dominated by the "curious" rather than by the practical. When we eliminate the curious, and try to establish the practical sources of success in doing things in this particular line, there will be less disappointment to contend with, less waste of energy, time and space.

H. Finlayson

Choisya ternata

THE "MEXICAN ORANGE BUSH"

This is one of the most interesting plants that have been shown for some time before the Gardeners' and Florists' Club of Boston and at the last meeting attracted considerable attention. As the common name implies it is a native of Mexico and forms a large bush five to six feet in height and proportionately broad. The dark, glossy evergreen foliage is in itself very strik-

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GARDEN.

ing, but its beauty is much accentuated by the handsome white, sweetly-scented flowers which are freely produced in flat heads at the end of the stems during May. In England this shrub has been largely cultivated for many years, and is perfectly hardy around London, but to see it at its best one must visit the gardens of the south or west. There it is generally grown on a shady wall where it often attains a height of twelve or fifteen feet and the foliage and flower heads are very much larger than they ever appear when grown in bush form, the latter often measuring from eight to ten inches in diameter. In the more favored parts of this country it should be largely grown as a most desirable evergreen but in this locality, of course, it could only be cultivated as a cool greenhouse shrub. Either as a pot subject or for clothing the walls of conservatories it has few superiors. Propagation is easily effected by inserting cuttings of half-ripened growths and a well-drained loamy soil will suit it to perfection.

Arthur. E. Thatcher

Fruits and Vegetables Under Glass

YOUNG POT VINES

These will now be growing freely and will need continual attention keeping them tied into position, stopping laterals, etc. The canes should be grown tall enough to suit the house they are to be forced in. Short canes are as serviceable as long ones and it is useless to let them run up further than the desired length. When this is attained stop them by pinching out the point of the growth. Lateral growths will appear and in due course must be stopped at one leaf. Any growths made beyond this should be rubbed out which will throw more energy into the bud. This is where it is needed. A good plump bud in the fall means a fruiting lateral next spring.

Give plenty of air to promote a sturdy growth and syringe twice daily using a good force to keep down red spider and other pests. No shade will be necessary for these if proper attention is given to watering.

PACKING GRAPES

Grapes are about the worst fruit to pack and ship any distance. The delicate bloom or gloss on the berries being so easily rubbed off makes them appear unsightly when placed on the table. No damage may be done to the berries and they will eat just as good, but no one likes to see the shiny half of a berry or berries and the remainder still retaining its natural hue. When shipping by express it is almost impossible to avoid this as packages are turned upside down and "any old way." If a message can be sent with them all this can be avoided and the fruit served up with scarcely a brush. The mode of packing must necessarily differ. The simplest method and one which has been adopted largely by commercial grape growers in England is to use strong willow baskets, being deep enough to allow a bunch to hang down the sides. The top must be considerably larger than the bottom, making the sides to slope. The whole inside is lined with cotton wool and a double thickness of oil paper placed on top of this. The bunch can now be laid on the sides fastening securely (the lateral cut with the bunch) to the top side of basket, placing a piece of paper between each bunch. Baskets made to hold four or five bunches will be found most serviceable. If one can be sure of their being kept the right side up no further packing is needed other

than some strong paper placed over the top, sewing it to the sides to keep it in position. Strings can be run across the top of the paper if thought necessary. This is the best method of packing grapes when sending by messenger. There is little trouble to it once the baskets are lined and very few berries are noticeably rubbed. A few baskets can be made large enough to hold the daily shipment.

Where boxes have to be used and packing from all sides is necessary it is impossible to retain very much bloom. Something has to touch the berries to keep them in position and once touched by anything the bloom is sure to go and leave the shiny surface. Deep boxes should be used and packing material placed in the corner made by the bottom and the side so as to form a slanting side. Cover this over with paper and place the bunches in, securing the top with string which is pushed through holes previously made in sides near the top. If both sides are used do not place the bunches opposite to each other; angle them. Place a separate piece of paper over each bunch and fill in with cotton wool. In all cases see that the bunch is hanging from the piece of wood that was cut with it. This keeps the top from moving and the whole from falling down in a heap. Shipping grapes for exhibition is a different matter and is not meant to come under this heading.

EARLY FORCED APPLES AND PEARS

These will now be finishing and should be placed where they can have all the sunlight and air possible. Cease feeding, but an occasional syringe will be beneficial. If the weather permits and a suitable position can be given them these can be finished outside. Plunge the pots to the rim to keep them from being blown over and drying out. Give a good supply of water right along. Do not neglect any peaches or nectarines that may have finished a crop. See that they are kept watered and the foliage free from insect pests.

YOUNG FIGS

Young figs propagated in the early spring will need shifting on into "eights." Take care that the ball is moist before repotting and water in soon after potting. Trees swelling their second crop should have feed when watering. Liquid cow manure will suit them. Trees in pots or tubs will take any quantity of feed. The small quantity of soil is soon deprived of its nutriment, and must be continually restored to obtain the best results. Continue to stop the growths at four leaves and syringe with force to prevent pests getting a foothold.

LATE VINES

Late vines will now be coming into flower. Most of these are free setters so there is no need to fertilize with a brush unless muscats are included. The house can be damped down first thing in the morning and then let go until noon when the rods should have a sharp knock to distribute the pollen, after which the house can be damped again. Such varieties as Apply Towers, Gros Colman, Gros Moroc, Alicante (black) and Lady Downes will be found to set as free as Black Hamburgh at this season and should be thinned early as a wait of a few days will mean a tight bunch to commence on with the scissors.

George H. Penson

Mr. Penson's next notes will be on the following: Spider on Peach Trees; Packing Melons; Keeping Grapes; The Mixed Orchard House; Scorching, Scalding and Mildew on Grapes.

Seasonable Notes on Culture of Florists' Stock

AQUATICS

All florists who have the advantage of a pond, stream, or even a small pool should grow some hardy or tender nymphæas. Those who have not these natural water advantages can grow many nymphæas and other aquatics in artificial pools or tubs. The best way to start them is to plant the dormant rhizomes of the hardy and tender nymphæas now in boxes about 10 inches deep and from 3 to 4 feet square, using a compost of three parts fibrous loam and one part of cow manure. Fill to within two inches of the top then plant two or three rhizomes in the box, so that they are just covered. After planting place a layer of coarse sand over the surface. These boxes should be placed where they are to remain and sunk so that they will be covered with about three inches of water until the first leaf floats on the water, when they should be gradually lowered until they are covered with water from 12 to 14 inches deep. Each box should be allowed a space of about 60 square feet so as to show up well. All of the nelumbiums and many of the nymphæas, besides other aquatics, can be successfully grown in tubs made from half-barrels filled with the above mentioned compost about half full and sunk in the ground. As these grow they will be benefited by an application of dried blood at the rate of a half pound for every tub or about one pound for every twelve square feet of water surface. Just throw it broadcast on the water. Tender nymphæas should not be planted before the 25th of May. Plant all nymphæas and other flowering aquatics so they will be exposed to full sunshine.

BOUVARDIAS

Bouvardias should not be planted out too early. Give them an outdoor frame until the first week in June, where they can be kept fairly warm during cold spells and when the weather is warm they can be given lots of air, which will insure a degree of sturdiness before being planted out. Give them a light soil that has been well enriched with stable manure so that they will make a vigorous growth. See that they get a good watering after being planted out. When the hot and dry weather comes don't allow them to suffer for want of water. It is necessary to keep on pinching them back during the summer so as to have sufficiently bushy plants by lifting time. If you want to have them in flower for the holidays don't pinch any after the middle of August and lift before the first week in September is over.

CHRYSANTHEMUMS

For the growing of exhibition blooms great care should be taken from the time the cuttings are struck until they have their last shift. The plants should never be allowed to get pot bound. As soon as the pots are well filled with roots repot into 3-inch and up to 8 or 9-inch pots. Compost that was prepared last fall and cow manure added at the rate of one to three will grow good plants. Soil for 5 and 6-inch pots should have a 5-inch pot of bone meal and the same of some high-grade fertilizer with a sprinkling of soot to every barrow load of soil. Mix it thoroughly and let it stand for a few days until needed. Be careful after potting and don't overwater, and as they get well rooted never allow your plants to suffer from want of water. Syringe every sunny morning and again in the afternoon on very warm days, but do it early so they will have sufficient time to dry their foliage before night. Look out carefully for aphids and fumigate regularly. There is time yet to put in cuttings for cut flowers. All late varieties such as Nonin, Chadwick, Swinburne, etc., will

make plants in good time for planting about the end of June. Early varieties such as October Frost, Golden Glow and Monrovia should be benched now if you want good growth and buds that can be taken in July, which produce flowers superior to buds taken in August.

ERICAS

Ericas that were cut back into shape after flowering should have attention in the way of potting. Plants that are perfectly healthy should be given more root room; those that are in 6 or 7-inch pots, or specimens in larger sizes will bear two or three sizes larger in a pot. It must be borne in mind that the erica family cannot exist in a material that is too retentive and the compost should be such that the water can pass freely through. A good compost is a turf-like fibery loam two parts, peat two parts, and a quantity of silver sand. By the beginning of June they can be placed out of doors. Plunge in some litter, to keep the roots cool. They will be better if placed on the north side of fence, wall or trees. They can remain here until the first week in September. Give careful watering at all times not allowing them to become dry and at the same time not keeping the soil in an over-saturated condition. Epacris will grow under this treatment also.

STOCK FOR VASES AND BOXES

The filling of vases and boxes will be an important item with many florists from this time out. Those who have a call for many vases and boxes to fill find it sometimes a very laborious work. Quite a few can be done at the greenhouses now, by going around to your steady customers and collecting their veranda boxes, baskets and any vases that can be lifted off and brought to your houses where they can be much more satisfactorily filled and given a start before being placed outside by end of May. All climbing and drooping plants should have attention. Give the climbers stakes with proper tying so as not to allow them to become all tangled up. For the drooping plants give them a place where they can hang down along the edge of some bench. Give all your plants particular attention in regard to watering from this time forward. Geraniums should form the majority for filling vases and boxes, along with coleus, achyranthes, petunias, ageratums, acalyphas, centaureas and Vinca rosea. For centers there is nothing to equal *Dracæna indivisa*. *Phoenix canariensis* is especially valuable as it stands sun and wind well. For trailers use vincas, *Abutilon vexillarium*, German ivy, *maurandia*, *nasturtium*. For shady places use begonias, fuchsias, small *Ficus elastica*, ferns, *aspidistras* and others for the erect growing plants. For droopers use *tradescantia*, *lygodium*, Kenilworth ivy, *selaginellas*, and moneywort.

VINCAS

Reserve a sufficient lot of these plants for propagating purposes. Now, or later as your propagating bench is less used, you can put in a good batch of cuttings leaving a heel, and they will most all root if kept shaded and moist. When they are rooted pot them into 2½ or 3-inch pots and plunge in a cold-frame during the summer. They will make fine little plants by winter. Cuttings that were rooted during the winter and planted out will make plants of sufficient size by cold weather. You never can have too much of these most generally used trailers.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Antirrhinums for next winter; Cinerarias for Christmas; Callas; Cycas; Miltonias; Roses.

HORTICULTURE

VOL. XIII

MAY 13, 1911

NO. 19

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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A happy
choice

Professor Sargent has made a master stroke in securing the services of E. H. Wilson for the Arnold Arboretum. Not only the Arboretum and Boston, but New England and the entire country are gainers, horticulturally, by the decision of this eminent botanist and collector to make his home with us. Already with a record of new and valuable plant introductions far exceeding that of Robert Fortune, this young man, so highly endowed by nature and experience, has before him in the ordinary course of years, a life of rare usefulness and we predict that he will leave the impress of his work on American gardening to a degree unexcelled by any who have preceded him.

Prepare for
Memorial Day

Indications are that the situation in the flower trade is improving and that the height of the great spring crop has already passed. As to Memorial Day, so much depends upon the weather that nobody can yet predict what is going to happen as regards flower supply either outdoor or indoor grown, but there can be no excuse for the florist who neglects to provide in good season for such other supplies as are especially in demand for Memorial Day. The supply dealers—those that deal in fresh green material and those offering manufactured goods have all put their best foot forward and have not been backward in advertising their wares. Each year sees a decided advance in variety and quality of the stock offered by these enterprising allies of the florist business and they well deserve all the prosperity which they now enjoy after years of patient industrious effort to excel.

A field
for business

Our "seasonable notes" correspondent has something to say in this week's letter on the subject of vase and window box plants. This is a branch of the florists' business which should count among the most profitable but which, for some inscrutable reason, is neglected by the majority of florists. If a customer sends an order to have a veranda basket or box or cemetery vase filled, of course the commission is attended to but any earnest effort to get people generally interested in the adornment of their homes and their places of business, public buildings, etc., is a very rare occurrence. The dwellers in our American cities are criticised, with good reason, by visitors from abroad for the barren appearance of their residential districts and the unattractiveness of their business streets as compared with the greenery and floral embellishment so freely used in many European cities. There are old-country customs and conditions which we do well to shun but here is one that has everything to recommend it and it does seem as though the florist trade would be doing itself a much larger and more permanent benefit if they would put in motion a well-directed and persistent exploitation of this promising branch of their business and endeavor to arouse the public to an appreciation of such things rather than to spend their energies fussing over such trifles as a few carnation boutonnières for "Mothers' Day."

Advertise Memorial Day Stock

All kinds in Next Week's Issue. IF YOU ARE A BUYER consult the advertising columns of that issue.

MENDEL'S LAW AS RELATED TO HEREDITY AND BREEDING.

By Dr. Herrmann Decker. Translated from
"Cosmos" by Gustave Thommen.

111.

But how about this remarkable proportion of numbers in the second generation, this ever recurring formula of 3:1? The answer is very simple, as we shall see. To illustrate: If we should cross a black guinea pig with a white one, we would have represented the two colors black and white as the color characters, of which, as the result of the cross would show us, the black was predominating. So according to Mendel all the young would be black; the white is suppressed, but not lost.

Every living being is the outcome of the union of one male cell with one female eggcell. Heredity is dependent upon these sexual cells, "GAMETES," and only what is contained in these cells can be inherited; the gametes of the black father contained the disposition for "black" only, those of the mother for "white" only.

Let these different sexual cells now be represented by slips of glass, black ones and plain ones. Uniting two of these will give us: black-plain, which, looked at, shows to our eyes "black." So, also is our first generation of guinea pigs black; the white of one of the parents is there, but it is suppressed or covered up by the predominating black of the other parent.

Now what will happen if we cross these bastards? What sort of gametes has the male and what sort has the female? Mendel says: The gametes can contain the foundation of one character only. But the bastards have in their bodily cells, the black of the father, as well as the white of the mother (the latter suppressed), consequently, in the formation of the gametes of these bastards, the two characters are separated again; the male forms gametes containing either the "black" or the "white," the female forms eggcells which contain the disposition for one or the other color alone also.

Representing the gametes by the slips of glass, we see that the male forms white ones and black ones, ○ ○ ○ ○ ● ● ● ●, the female forms egg cells in the same way, ○ ○ ○ ○ ● ● ● ●.

Now, any one of the black, male slips may be united with either a black ● or a plain ○ female slip and any one of the plain ○ male slips may unite with a black ● or plain ○ female slip.

This will give us the following four combinations (the other combinations are not possible), $\bullet \times \bullet$, $\bullet \times \circ$, $\circ \times \bullet$, $\circ \times \circ$. We have now four pairs of slips, of which three pairs show black and one pair which shows plain, $\bullet \times \bullet$, $\bullet \times \circ$. But of the three black pairs only one is pure black, $\bullet \times \bullet$, two pairs are impure, because each pair contains one plain slip, $\bullet \times \circ$, $\circ \times \bullet$. The fourth pair is pure plain, $\circ \times \circ$.

If we should divide up the slips and put them in two boxes, into one box those of the male, ●●●●○○○○, and into the other box those of the female, ●●●●○○○○, and should now, blindfolded, take one slip from each box at a time, to form a pair, we could form no other combinations.

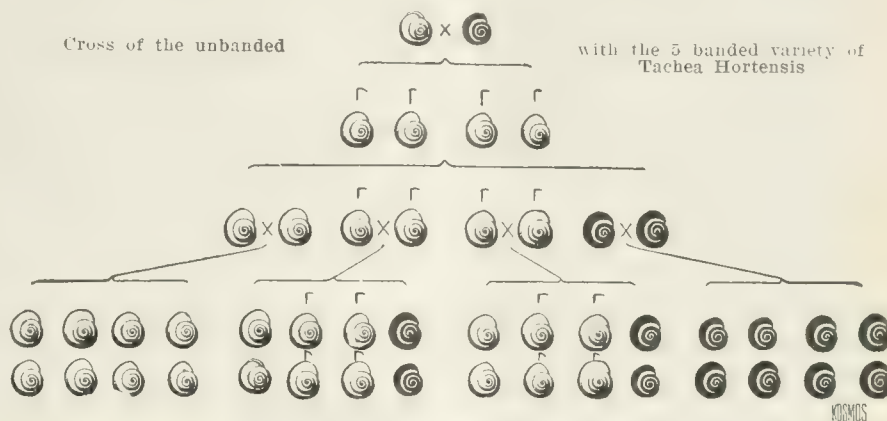
This is why in the second genera-

tion of our guinea pigs, three of the litter are black and one is white, or should there be eight to a litter, six black and two white. Of these six black ones, two are pure black and, crossed among themselves, will produce pure black again. The other four are bastards (with the white in them, but not showing, because it is covered by the black) which, crossed among themselves, will again throw three blacks and one white. The white one is pure.

That in the impure bastard, the dispositions governing the foundation of the characters, separate again, is the

SECOND LAW OF MENDEL.

Considering, how easily this law is



[denotes that one character is suppressed.

demonstrated with our slips of glass, we might almost become sceptical as to whether any such simple law can really explain the often seemingly very complicated conditions under which heredity is many times displayed. But numberless experiments, made by many of the foremost investigators, have proven the absolute correctness of Mendel's laws.

Mendel says: When the disposition for one of the characters which is present in the one parent, meets, in crossbreeding, another of the same character, in the other parent, then one of the two will suppress the other and predominate in the offspring.

Crossing a red-flowered pea with a white-flowered one, will give seed producing red-flowering peas only; the red suppresses the white totally, but the second generation brings again one white to each three red peas. In cross breeding two specimens which differ in their characters, we can of course at the start not know which of the characters will predominate. We can realize this only by observing the result of the cross. But having noticed this fact in the first generation, puts us in a position where we can force nature to confirm and corroborate our surmises, through the second generation.

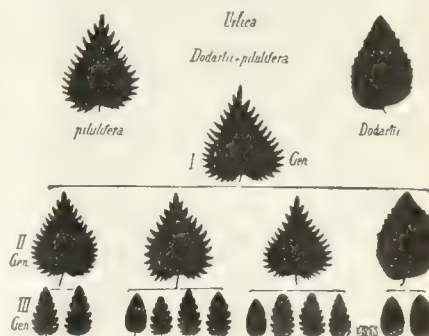
As the astronomer is able to chart the path of a planet (knowing originally only a fraction thereof and computing from this) and to predict how this planet will travel eternally, so can now the breeder, by close observation of the bastards from his crosses, predict which qualities and characters of the parents can be transmitted and fixed in the progeny, according to nature's law of heredity. This is a tremendous gain, because it

gives to purity of type a specific meaning.

The eminent botanist, De Vries, has coined the words "to mendel" and "mendeling." These words, on account of their directness, have become very popular. Any quality or character "mendels," when in breeding it combines with another similar character according to Mendel's law and separates from it again. Such "mendeling" character-pairs, have through extended experiments been found in a large number.

So "mendels" for instance: the serration and form of many sorts of leaves. This can plainly be seen in crossing the plain-leaved *Urtica Dodartii* with the tooth-leaved *U. pilulifera*.

Professor Arnold Lang of Zurich, has made exceedingly careful and painstaking experiments in crossing the unbanded garden snail (*Tachea hortensis*, with its five-banded variety). He proved that the five-bandedness is suppressed, in exact accordance with Mendel's law. (Illustration from photographs.)



"Mendeling" can take place in the color of flowers and fruits, of feathers of birds and coats of animals, of designs in wings of butterflies, of petals of flowers, in the form of leaves, and arrangement of spines and thorns of fruits and plants; in the size, shape or presence of horns in animals, form of combs in fowls, etc. Also, many qualities and characters which do not strike the eye so vividly, obey Mendel's law. Earliness and lateness of ripening, immunity to disease in animals or rust in plants, follow the same rules. Many varieties of wheat are subject to rust. In crossing these with varieties which are immune it was found that immunity is suppressed. Letting self-fertilization take place in the bastards, gave in the second generation, plants which

were rusty and immune in the proportion of 3 to 1. Immunity being proven a "mendeling" quality, certainly opens to the breeder a large field for activity.

So far, dear reader, demonstration of Mendel's law, has been rather an easy task, but Mendel's law, like all things has its perplexing points.

We have taken it for granted that in "mendeling," one quality or character is suppressed by the other, even to the point of almost total disappearance. This is not always so. Sometimes the suppressed character remains plainly visible to the eye. Cases of this kind are especially instructive.

If we mate a Black Andalusian cock with a White Andalusian hen, vice-versa, so suppresses the black the white, but not completely, and as the result, we will in the bastards have blue (1st generation). All the blue Andalusian fowls, which are so much admired, are only bastards and it is not possible to breed from them a race of true "blues." Black parents will always give black chicks, white ones always white; black with white always blue. But, these blues crossed among themselves, never will have all of the offsprings blue. There is always $\frac{1}{4}$ black, $\frac{1}{4}$ white and $\frac{1}{2}$ blue. These blues, crossed, always split up again in the same proportion in every generation. This explains the always occurring "throw backs" when breeding "Blue Andalusians" and also shows why the breeder has to use black and white parents to get the blue.

(To be continued.)

NIEREMBERGIA GRACILIS—A DESIRABLE BASKET PLANT.

"Get plenty of Nierembergia! You never will have too much of it!"

This was the advice of an expert and experienced florist, years ago when I was consulting him about greenhouse stock. I did not then know what Nierembergia was, and I think that today many florists are not familiar with it, nor aware of its value, but I followed his advice and got some Nierembergia—and have been glad of it ever since. Also, I have found his prophecy true, that I would "never have too much of it," for although I have been growing a little more each year for nearly 20 years, I never yet have had enough to supply the demand. We use it mostly in filling porch and window boxes, cemetery vases, baskets, etc. Our customers like it, and every year they want more and more. One lady on our street fills a box with only Nierembergia and vines, and her box is one of the delights of the neighborhood. Nierembergia gives such a constant show of bloom, and is so graceful, so durable, and so satisfactory, that we have found it one of our most indispensable greenhouse plants.

W. J. O.

ARNOLD ARBORETUM SECURES E. H. WILSON.

Mr. E. H. Wilson sailed from Boston on Tuesday, May 9, on the Cymric, of the White Star Line and will return from England about Sept. 1, accompanied by his wife and daughter, to take up regular work at the Arnold Arboretum.

Obituary

Jacob Rudesule.

Jacob Rudesule, florist, Glendale, Brooklyn, N. Y., died April 21, aged 69 years.

John Dodds.

John Dodds, florist at the new Grand Trunk shops, expired suddenly at his home, Battle Creek, Mich., on April 28.

Mrs. Caroline O. Schilder.

Mrs. Caroline Ober Schilder died at her home in Chillicothe, Ohio, on April 25. She was the widow of the late Martin Schilder.

Martin Kelly.

Martin Kelly, a well known gardener in that vicinity, died of lock-jaw on April 29, at the Norwalk Hospital, South Norwalk, Conn. He was 49 years old.

William Hamilton.

William Hamilton, former superintendent of North Side Parks, Indianapolis, Ind., died recently. He has been in charge of the parks for years and had a wide acquaintance among the florists.

George Rogers.

George Rogers, florist, died at Hempstead, Long Island, N. Y., on April 30. Mr. Rogers was born in Bristol, England, coming to the United States in 1867. For the past thirty-three years he has had a large florist business in Hempstead. He is survived by a widow and five children.

George Hollis.

George Hollis, a florist of South Weymouth, Mass., died on Thursday night, May 4, aged 71 years. Mr. Hollis is best known to the florist trade as a peony fancier and has received many awards from the Massachusetts Horticultural Society for seedling peonies of recognized merit. He was a pleasant, affable gentleman and enjoyed the respect of the trade and his townsmen.

Henry Lohrenze.

Henry Lohrenze of St. Louis, Mo., died on Saturday, May 6, after a lingering illness. He and his wife ran a small store known as the Park Floral Co., near Lafayette Park. Mr. Lohrenze has not been of right mind for the past ten years. He was well known in the trade, who extend to the bereaved family their sympathy. The funeral took place on Monday, May 8th. He leaves a wife and two children to mourn his loss.

Niles Nelson.

Niles Nelson, prominent in politics and floriculture, died at his home in South, Portland, Me., on May 5, aged 51 years.

For several weeks Mr. Nelson has been suffering with acute Bright's disease and neuralgia of the brain and as a result his system was not able to stand the strain and following the surgical operation which was performed he passed away. He leaves a widow, two sons, two daughters and two sisters, one of the latter being

the wife of the well known florist, E. J. Harmon, of Portland. Mr. Nelson's greenhouses are located on High, Franklin and School streets.

Mary Eva Reissig.

Mary Eva Reissig, for many years in the florist business at Riverside, Ill., just west of Chicago, died of heart trouble May 5th. She was one of the best known of the older florists in this vicinity and was actively engaged in the business until her death. When the writer saw her a few weeks ago she was as active and full of interest in the work as in her younger days. Mary Eva Becker was born in Baden, Germany, 63 years ago and came to America when quite young. She was married in 1872 to Chas. Reissig, who passed away in 1892. Four of their six children survive and one is in charge of their fine range of greenhouses. Their retail store on Wabash avenue was given over to their nephew, Phil Hauswirth, at the time of Mr. Reissig's death.

PHILADELPHIA NOTES.

Samuel J. Irvine of the Grovedale Nurseries reports a successful season with everything sold out at good prices. He is credited with having sent in the best hydrangeas for Easter that reached the Philadelphia market this year.

We understand that Mr. Condon of the Castle Circulator has booked some good orders on his recent trip to this vicinity. Louis Burk, J. W. Pepper and many others are reported to have become impressed with the efficiency and money-saving potentialities of this wonderful device.

You have all heard of the Wotherspoon Watering pots and the Eureka Fumigators. These two lines of galvanized iron goods have been sold by the seedsmen of the United States and Canada for a quarter of a century. James R. Wotherspoon began by making a good article and in spite of the keen competition of cheap imitations has held his own and grown, and resisted all temptations to cut prices by cutting quality. Our readers will regret to hear that Mr. Wotherspoon had a serious fire at his factory on Front street on the 5th inst. Completely gutted. Damage estimated at fifty thousand dollars.

Visitors: Andrew Wilson New York; John Condon, Boston, Mass.; Jno. A. Pennypacker, Phoenixville, Pa.; James Brown, Coatesville, Pa.; Z. D. Blackstone, Washington, D. C.

We wish to call the attention of our readers to the importance of using only our latest issue in making up their orders for Dreer from the advertisements appearing in Horticulture. In this issue the following varieties have been omitted, as surplus is exhausted for the present:

May Kenyon Slaney, Konigin Carolla, Harry Kirk, Mrs. Foley Hobbs, American Beauty, Chlo. Duke of Edinburgh, Hugh Dickson, Magna Charta, Austrian Yellow, Harrison Yellow and White Microphylla.

Cypripedium luteum is in bloom now at the Arnold Arboretum for the first time in this country. It is a native of China and was collected there by E. H. Wilson.

BERMUDA AND THE LILIES.

A paper read before the New York Florists' Club by A. T. Boddington.

Bermuda has been described as Heaven, but it is necessary to go through Hades to get there. This is on account of the rather rough sea trip, especially in the winter time. The Gulf Stream which is about a hundred miles wide is crossed diagonally, and while the current runs only at the rate of about a mile an hour, if the wind is opposing the direction of the current this frequently kicks up a nasty sea. The steamships that run down there, while they are good boats and are operated under most careful management, are only about half the size of the average European steamer; consequently the motion is felt severely by passengers with delicate stomachs. However, the trip is not always rough, frequently it is very smooth and pleasant, especially in the month of May, which is one of the most interesting months in the year from the point of view of the florist.

I left New York on April 5th arriving there on Friday morning, April 7th. The lilies were just coming into bloom, hardly any being expanded but the buds were white. The growers have been very busy in the onion and potato business this year and they were a little behind with the disbudding of the lilies. A great deal of care is necessary to produce good bulbs. No weeds can be allowed to grow up more than an inch or two high. If the weeds are allowed to get large, when they are pulled out they disturb the surface roots of the lily, which will always result in serious injury and failure when the bulb is grown next year. It is a practice among the Bermuda growers to disbud the lilies just as the buds are whitening. This is done that the plants may be strengthened and that all the nutriment may go to form as large a bulb as possible. Fortunately for me the weather which had been rather cool became suddenly warm and by Sunday, the 9th of April (Palm Sunday) the fields were a sight to behold. On the next Monday the photographs which I have here tonight were taken. These were some of the best fields at Columbia Farm, Longbird, Smith's Island and at Westmeath. The lilies shown in these photographs were growing strongly and for the most part showed perfect health. When examining them closely, however, there seemed to be about 10 per cent of stunted and deformed plants, all of which are being dug out by the more careful growers. Upon my pointing these plants out to Mr. R. H. James, he told me they were not removed before, for the reason that in digging out these rogues an equal number of good plants would be destroyed and that the plants that were deformed and stunted were really not diseased plants but bulbs which had been injured in digging the previous year or in the process of planting. Mr. James informed me that they handled lily bulbs as if they were eggs and that rough handling in digging, or by the seedsmen, or by the florists when the bulbs are being potted is one of the most frequent causes of the stunted and deformed plants. To convince me that his theory was correct, Mr. James had a

ROSE MRS. AARON WARD.



Most of our readers are now familiar with this sweet little forcing rose which got its first American introduction in Boston. Its rich pale and deep Indian yellow tinted petals form a beautiful bud or fully opened flower and it is an excellent keeper. The

color pales with age but not in an objectionable way. Being a hybrid tea this rose makes a valuable garden variety, blooming continuously all through the summer. We are indebted to H. A. Dreer for the photograph. The variety is listed in their rose advertisement in this issue.

number of these deformed plants dug up in my presence. He demonstrated to me that the bulbs showing these deformities were smaller than when they were planted and that they could never even by accident get packed in the cases as saleable bulbs for the reason that they would not be big enough to grade as even 5-7 inch bulbs. The bulbs of these deformed plants (or as our friend, Mr. Louis Schmutz calls them "Kyoudles"), were all afflicted with a partial rotting of the root base. Mr. James, who has had thirty years' experience in growing bulbs in Bermuda, tells me that to drop a bulb out of the hand onto even the soft ground will frequently produce an injury sufficient to cause this disease of the root base. There apparently seems to be nothing contagious in this disease. Of the other disease that seems to be afflicting the lilies in Bermuda, the symptoms are as follows: The plant starts to grow healthily until it gets up a few inches high when it develops yellowish brown streaks and spots in the foliage and finally peters out to nothing or produces a deformed flower. This disease has been almost eradicated, though here and there a plant was to be seen afflicted with it. About the only remedy for this disease is to dig up the bulb and see that it is destroyed, though spraying with arsenate of lead and fungicides is a preventive measure. The percentage of this disease, however, was very small.

Lilium Jamesii were looking very fine at Mr. James' Longbird Farm. This lily is almost disease-proof. It has extra fine foliage, and flowers under Bermuda conditions one week to ten days later than *Lilium Harrisii*. The bloom is slightly shorter and not so large as *Lilium Harrisii*, but it is a robust type and well worth growing. Furthermore, this lot had been thoroughly rogued and were true to name. A point in favor of the Bermuda lilies as grown at Smith's Island, Longbird and at Westmeath, is the fact that these growers have eliminated all hybrid types. I do not think that in the pure *Harrisii* grown on these establishments there could be seen more than one hybrid in a hundred bulbs. These hybrids were plain to be seen by the fact that they were only beginning to turn down their buds whereas the true *Harrisii* were in full bloom. The method of roguing is as follows: The men go through the fields with paint brushes and daub the foliage of all plants that are to be discarded. It cannot be done in April as it would cause too much injury to the good stock. *Lilium Harrisii* is particularly sensitive to any disturbance of its surface roots. I have been doing my very best to urge the Bermuda growers to still further improve their stock and to endeavor to get *Lilium Harrisii* back to where it was twenty-five years ago. This is being done by careful and painstaking methods. There is no doubt in my

mind that the progressive florist of the United States would gladly pay 50 per cent more for *Lilium Harrisii* bulbs than the present price if the stock could be improved still further.

I think that the Bermuda methods of selling lily bulbs have been entirely wrong or perhaps I should say the methods of the American bulb dealer in buying them. Under conditions as they have been, the man that grew good lily bulbs in Bermuda and looked after them carefully got no more for his product than the grower that was careless. I often think that the selling of lily bulbs should be a good deal like the cigar business. It is pretty hard to tell what a cigar is until you smoke it and for that reason the cigar manufacturer sells his goods under a brand. He takes every care that no cigars go into a box bearing his brand unless he can be proud of them and they will uphold the reputation of the brand he spent his money to establish. This same condition should apply to lily bulbs and the man that grows the extra fine article should be suitably recompensed for the trouble and care he has gone to. There are some stocks of lily bulbs on the Island of Bermuda which are very cheap at the price they are sold for and there are other stocks which are dear at any price, but the bulbs when they come to New York next July and August will all look about the same. I have spoken only of the good fields which I saw. I saw many small patches which were looking badly, but on the whole both *Lilium Harrisii* and *Lilium Jamesii* are showing much improvement in spite of a rather cold, dry and unfavorable growing season. I think that any florist that buys Bermuda bulbs from dealers that are earnestly trying to encourage the Bermudians by paying him liberally for well-grown stock will get his money's worth this season.

As regards the shipping of lily flowers, this pernicious practice was going on to a limited extent and was being carried on mainly by people who do not grow bulbs. Quite a floral business is being done in Hamilton now in sweet peas, iris flowers, roses, etc., and, last but not least, cut lilies. The large hotels were entirely filled up most of the winter with American visitors and we cannot blame the Bermuda florist for taking advantage of the situation, so long as he does not cut flowers from bulbs which he afterwards intends to ship up to his American brother florist to grow. To me, *Lilium Harrisii* is the grandest and noblest of the Easter lilies. Furthermore, a well-grown plant of 5-7 inch *Lilium Harrisii* will produce about as many flowers as a 7-9 inch Japanese *Giganteum* and for this reason I contend that *Lilium Harrisii* are not any more expensive. I hope within the next few years to see *Lilium Harrisii* come back and take its rightful place among the commercial lilies grown by the florists of the United States. This, however, can only be accomplished by the greatest care on the part of the Bermuda growers and by the establishing of brands so that when a florist in the United States buys a case of bulbs of a brand with a high reputation he can depend on getting nine hundred good plants out of a thousand bulbs with proper care and attention on his part.

CLUBS AND SOCIETIES

NEWPORT HORTICULTURAL SOCIETY.

Quite a few members of this society faced the moist weather Tuesday evening, May 9th, to attend the regular meeting and hear the reading of a paper on "Grape Culture Under Glass," by William Mackay, who is known to be a successful grower. Among the many details given by Mr. Mackay as being necessary for best results in this work, he said that vines should be planted five feet apart and this was the principal question discussed at the close of the lecture. Some of the speakers favoring planting three to four feet apart, but Mr. Mackay, although admitting that a larger quantity may be produced from close planting, he said that when first quality is the object five feet is none too much space to allow. The paper as a whole was favorably commented on and the maximum number of points voted under the annual competition rule.

On the exhibition table was a spray of a nearly white cattelya of unknown variety on which decision of award was reserved till name is furnished. Oscar Schultz was the exhibitor. A handsome lot of mushrooms of the Pure Culture variety was also shown by William Grey, who was awarded honorable mention for same. The regular business was chiefly in connection with the September show schedule, which promises to be even more attractive than ever.

NEW YORK FLORISTS' CLUB.

The monthly meeting on Monday evening, May 8, was a very interesting and instructive one and thoroughly enjoyed by a fair-sized number of members in attendance. Among the various reports handed in that of C. H. Totty stating that \$20,000 had been granted for the erection of a range of greenhouses at the New Jersey Experiment Station at New Brunswick was particularly gratifying. The outing committee reported on price of tickets for that notable occasion—\$4.00 for gentleman, \$2.50 for lady, \$6.00 for lady and gentleman. R. M. Schultz showed some grand Richmond roses for which the awards committee recommended a cultural certificate. Then came the reading of papers—Messrs. J. McHutchison on his recent trip to South America, A. T. Boddington on Bermuda, W. B. Du Rie on School Gardening, A. Kakuda on Japan and M. C. Ebel on Insects. It was announced by the Essay Committee that Messrs. J. K. M. L. Farquhar of Boston and J. Otto Trilow of Philadelphia had been secured to present stereopticon lectures next fall.

AMERICAN GLADIOLUS SOCIETY.

The American Gladiolus Society is now preparing for a magnificent exhibit of gladiolus blooms at the S. A. F. Convention in Baltimore, August 15-18. The schedule of prizes will soon be ready, and copies can be had by applying to L. Merton Gage, Secretary, Orange, Mass.

L. MERTON GAGE,
Cor. Sec'y.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

At an Executive Meeting held in New York Friday, May 5th, President Burpee presiding, the following additional special prizes were received, also the Executive Committee appropriated \$170.00 for prizes to be known as the National Sweet Pea Society's prizes. Owing to the extremely backward season, it was considered advisable to change the date from a week to two weeks later than that previously published, that is, June 23rd and 24th, but the matter will be finally decided early in June and an exact date set at that time.

The following judges were appointed for the summer exhibition: Samuel L. Hamilton, Huntington, Pa.; William Sim, Cliftondale, Mass.; Edwin Jenkins, Lenox, Mass.; William Duckham, Madison, N. J.; Walter Angus, Chapinville, Conn.

Class 11. The Henry A. Dreer prizes for vase of Queen Alexandra Spencer Sweet Peas: 1st prize, \$5.00; second, \$3.00.

Class 12. The Henry A. Dreer prizes for vase of Ruby Spencer: 1st, \$3.00; 2nd, \$2.00.

Class 13. The Henry A. Dreer prizes for vase of Mrs. Rontzahn Spencer: 1st, \$3.00; 2nd, \$2.00.

Class 14. The Jerome B. Rice Seed Co.'s prizes for vase of White Spencer: 1st, \$5.00; 2nd, \$3.00; 3d, \$2.00.

Class 15. The Anton C. Zvolanek prize for vase of 50 Orange Spencer or Unwin: 1st, \$3.00; 2nd, \$2.00; 3rd, \$1.00.

Class 16. The Anton C. Zvolanek prize for vase of 50 Pink or Rose, Spencer or Unwin type: 1st, \$3.00; 2nd, \$2.00; 3rd, \$1.00.

Class 17. The William Sim prize for 5 vases of sweet peas, commercial varieties: 1st, \$10.00; 2nd, \$5.00; 3rd, \$3.00.

Class 18. The Philadelphia North American's prize: A Silver cup for the best vase of Sweet Peas never before exhibited.

The National Sweet Pea Society's prizes. Spencer or Unwin varieties:

Classes 19 to 29 inclusive. Vase of white, light pink, deep pink, lavender, salmon or orange, crimson or scarlet, primrose, picee edged, bicolor, striped or mottled, any other color: First, second and third prizes, \$5.00, \$3.00, \$2.00 for each class respectively.

Grandiflora varieties:

Classes 30 to 35 inclusive. Vase of white, pink, lavender or blue, scarlet or crimson, striped or bicolor, any other color: First, second and third prizes, \$5.00, \$3.00, \$2.00 for each class respectively.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS

At the meeting of the executive committee of the American Association of Park Superintendents at New York, on April 22, August 8th-10th was selected as the date for the approaching convention at Kansas City, Mo. The provisional program is as follows:

Tuesday, August 8th—10 A. M. Meet at City Hall for address of welcome and general business. 2 P. M. Meeting for reading of papers. 6 P. M. Entertained at dinner, followed by automobile trip through boulevards by gas light.

Wednesday, August 9th—9.30 A. M. Meeting for reading of papers. 2 P. M. Automobile tour of parks, ending with dinner at Swope Park. 8 P. M. Meeting for reading of papers.

Thursday, August 10th—Visits to some of the following places, selection to be made later: Play grounds and bath houses; parks of Kansas City, Kan.; or a trolley trip to Lansing, Kan., near which are the State Penitentiary, the Soldiers' Home and Fort Leavenworth, one of the most important forts maintained by the Government.

Papers on the following topics are expected: Park Statistics, by a government



NEPHROLEPIS ROOSEVELT.

third to one-half wider than Boston and beautifully undulated, giving the whole plant a decided wavy effect, which attracts the eye instantly. Nephrolepis Roosevelt will make more young plants, produce a third more fronds, has more graceful drooping habit and will finish to a larger and finer plant in small pots than any other fern on the market. Our stock is positively free from that vicious little white scale which is causing fern growers so much trouble.

Orders received to June first will be booked at the following prices. Two and one-fourth inch pots, 40 cents each; \$3.50 per dozen; \$25.00 per hundred; \$200.00 per thousand. Twenty-five plants at hundred rate; 250 plants at thousand rate.

GOOD & REESE CO.
SPRINGFIELD, OHIO

**LARGEST ROSE
GROWERS IN
THE WORLD**

The Grandest Fern of the Age Nephrolepis Roosevelt

IMPORTANT SPECIAL NOTICE — PRICE ADVANCE.

The heavy demand from those who have seen Nephrolepis Roosevelt growing on our place and scarcity of stock compels us to advance the price on all orders dated after June first to the following. Two and one-fourth inch pots, 50 cents each; \$4.50 per dozen; \$35.00 per hundred; \$300.00 per thousand.

It is our belief the price of Nephrolepis Roosevelt for 1911 will be maintained during the season of 1912.

Nephrolepis Roosevelt is a sport from Nephrolepis Bostoniensis, but a wonderful improvement over the parent variety. The fronds of Roosevelt are from a tapered from base to tip. Each pinnae is distinctly undulated, giving the whole plant a decided wavy effect, which attracts the eye instantly. Nephrolepis Roosevelt will make more young plants, produce a third more fronds, has more graceful drooping habit and will finish to a larger and finer plant in small pots than any other fern on the market. Our stock is positively free from that vicious little white scale which is causing fern growers so much trouble.

Orders received to June first will be booked at the following prices. Two and one-fourth inch pots, 40 cents each; \$3.50 per dozen; \$25.00 per hundred; \$200.00 per thousand. Twenty-five plants at hundred rate; 250 plants at thousand rate.

representative; Sociological Side of Play Grounds; Street Trees; Roads and the Newest Things in Road Maintenance and Surfacing; Architecture of Animal Buildings; Insects.

CHICAGO FLORISTS' CLUB.

The regular monthly meeting of the Chicago Florists' Club was held at the Union Restaurant, May 4th. The report of Allie Zeck regarding the picnic for July 23rd was accepted and Erhardt's Grove, Oak Park, decided upon. P. J. Foley, chairman of Transportation committee, reported that no effort had been made as yet to secure rates to Baltimore for the August convention. An invitation from the Milwaukee Florists' Club to hold a joint meeting there June 1st was read and accepted unanimously. A paper on fertilizers to be read at the next meeting was promised by Walter S. McGee.

A basket of fruit was voted to be sent to Geo. Woodward, who was reported by T. Waters as improving nicely. It was voted to send a letter of condolence to the widow of the late Wm. A. Starrett.

Mr. Cassidy of the Foley Manufacturing Co. was a club visitor and made some pleasing remarks.

Geo. Asmus gave an interesting talk on the National Flower Show of Boston as he saw it, and also spoke of the coming convention at Baltimore.

TARRYTOWN HORTICULTURAL SOCIETY.

The regular monthly meeting of this Society was held on Friday evening, April 28th. The prize offered by E. W. Neubrand for the best flowering plant was awarded to George Wittlinger for a fine plant of Medinella mag-

nifica. A cultural certificate was awarded to John Woodcock for a fine vase of antirrhinums, also for calceolarias. A certificate of merit was awarded to Abel Weeks for a variegated carnation seedling. For the May meeting W. Scott offers a prize for 12 varieties of flowering shrubs and herbaceous flowers.

G. M.

YONKERS HORTICULTURAL SOCIETY.

On Friday, the 5th inst., a social and business meeting was held, and as usual proved very successful. It was decided to hold a June show at Hollywood Inn, the date to be decided later. Schedules may be obtained from H. Nichols, Glenwood Ave, Yonkers, N. Y. An interesting exhibition is expected, as competition promises to be keen.

After business was disposed of the regular bi-monthly social was thoroughly enjoyed, refreshments, stories, and songs being heartily appreciated.

H. M. B.

CLUB AND SOCIETY NOTES.

The Dayton Florists' Club held an interesting meeting Monday night, May 1, at the J. F. Young establishment. Trade topics were discussed and there was a general exchange of ideas. H. H. Ritter, retiring president, who was presented with a cane, made acknowledgment of the neat gift.

Our attention has just been called to an error in our report on the awards at the National Flower Show in which J. T. Butterworth was recorded as the winner of first prize in the class for display and collection of cut orchids arranged for effect, where-

as the award went to W. A. Manda, South Orange, N. J.

Fifty florists of the State Association coming from Alexandria, New-castle, Marion, Richmond, Connersville, Knightstown, Muncie and Indianapolis met at Anderson, Ind., on May 2. State President George Gause of Richmond and A. F. J. Baur of Indianapolis, state secretary, were in attendance. A visit was paid to local greenhouses in the afternoon. Supper was served the visitors at Stafford's restaurant.

CARNATION JUDGING.

American and British Scale of Value Points Contrasted.

I am obliged to Mr. Brunton for the British scales, printed on page 674 of last issue. These points come remarkably near the American scale as will be seen by the following comparison:

	American	British
Color	25	20
Size	20	20
Fragrance	5	10
Substance	10	10
Calyx	5	5
Habit of plant	20	20
Form	15	15
Stem	20	20
	100	100

Could "stem" and "habit of plant" be classed as synonymous terms? Would like to hear from some carnation grower.

G. C. WATSON.

GUARANTEE FUND RETURNED.

Checks have been sent this week by E. Allan Peirce, treasurer of the National Flower Show, to all subscribers to the guarantee fund, for the full amount subscribed.

A. N. PIERSON

Incorporated
CROMWELL, CONN.

COLEUS

Verschaaffeltii, Firebrand, Golden Queen, Lord Palmerston, Queen Victoria, Beckwith's Gem.

Rooted Cuttings by express: 75 cents per 100; \$7.00 per 1000. Out of 2 1/4-inch pots 'n May: \$2.50 per 100; \$20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

Golden Bedder, Hero, Messey, Brillancy.

Rooted Cuttings by express: \$1.00 per 100; \$8.00 per 1000. Out of 2 1/4-inch pots: \$2.50 per 100; \$20.00 per 1000. Less than 250 of a variety will be charged at the 100 rate.

FANCY VARIETIES

Fancy Varieties. A very fine assortment of twelve kinds not listed above. Rooted Cuttings: \$1.00 per 100; \$8.00 per 1000. Out of 2 1/4-inch pots: \$2.50 per 100; \$20.00 per 1000.

Fancy Varieties. Either rooted cuttings or plants from 2 1/4-inch pots, our selection, 250 at the 1000 rate.

AGERATUM

Stella Gurney and Princess Pauline. 75 cents per 100; \$7.00 per 1000.

ALTERNANTHERA

Red and Yellow. Rooted Cuttings: 75 cents per 100; \$6.00 per 1000. From 2 1/4-inch pots: \$2.00 per 100.

Brilliantissima. A valuable new Alternanthera, red and yellow in color, with broad leaf. Rooted Cuttings: \$1.25 per 100; \$10.00 per 1000. From 2 1/4-inch pots: \$2.50 per 100.

SALVIA

S. Splendens, S. Bonfire, S. Zurich, S. Schenley.

Rooted Cuttings, 75 cents per 100; \$7.00 per 1000.

Salvia of these varieties from 2 1/4-inch pots, April and later delivery, \$2.50 per 100; \$20.00 per 1000. 250 of a variety, or in assortment as ordered, at the 1000 rate.

HELIOTROPE

Dark blue variety. Rooted Cuttings, \$1.00 per 100; \$9.00 per 1000. From 2 1/4-inch pots, \$2.50 per 100; \$20.00 per 1000. 250, either plants or cuttings at the 1000 rate.

Moonvines

Ipomea Noctiflora, our so well known pure white, waxy Moonvine, bearing flowers very fragrant and as big as a saucer, 2 1/2-in. pots, will make good stock for you to propagate from, \$5.00 per 100.

Godfrey Aschmann

Wholesale Grower and Importer
of Potted Plants,

1012 W. Ontario St., PHILADELPHIA, PA.

CURRIE FOR MILWAUKEE PARK BOARD.

Daniel Erdmann, president of the park board, whose term expires on June 1, will be succeeded by James Currie, president of Currie Brothers, florists and superintendent of Forest Home Cemetery, according to reports in the City Hall.

Mr. Erdmann has served on the board fifteen years. He was appointed to succeed the late Louis Auer on June 1, 1896, and in 1898 he was elected president to succeed Christian Wahl and has served in that capacity since.

The board consists of five members who serve four years.—*Milwaukee, Wis., Sentinel.*

St. Louis, Mo.—The mayor of St. Louis, in making his appointments, made two good selections when he handed in the names of Julius Koenig to succeed A. Meyer, Jr., as City Forester, and Dwight Davis to succeed Phil Scanlon. Both appointments meet with the approval of the local florist trade. Mr. Davis will soon appoint the superintendent, and Mr. Koenig his assistants.

CANNAS In 30 Varieties

From 3 1/2-inch pots, strong plants, \$6.00 and \$8.00 per 100.

CHRYSANTHEMUMS

Golden Eagle, Gloria, G. W. Childs, Linwood Hall, Miss May Hankey, Miss May Seddon, Merstham Yellow, Old Gold, Oct. Frost, Patty, Virginia Poehlman, Vivland Morel.

From 2 1/2-inch pots, 60c. per dozen; \$4.00 per hundred.

GENERAL COLLECTION.

Col. D. Appleton, Golden Dome, Mrs. Clay Frick, Mille. Jeanne Rosette, Nagoya, Pacific Supreme, The Harriott, White Shaw, Yellow Eaton.

Rooted Cutting, 30c. per dozen; \$2.00 per 100. From 2 1/2-inch pots, \$3.00 per 100.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Early Snow, Golden Glow, Geo. Kalb, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, J. K. Shaw, Maud Dean, Meta, Monrovia, Moneymaker, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Mrs. Robt. McArthur, Major Bonnaffon, Mad. Ferd Bergeman, Polly Rose, Pink Ivory, Riverside, Robt. Halliday, Soilelle D'October, Timothy Eaton, W. H. Lincoln, White Bonnaffon, William Duckham.

Rooted Cuttings, 30c. per dozen; \$2.00 per 100; \$15.00 per 1000. From 2 1/2-inch pots, 50c. per dozen; \$3.00 per 100; \$25.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size pots	100
ALYSSUM	2 1/4-in.	\$3.00
ACHYRANTHES, 5 sorts	2 1/4-in.	3.00
ABUTILON Savitzi	2 1/4-in.	4.00
ABUTILON Savitzi	3-in.	6.00
AGERATUM, Blue and White	2 1/4-in.	3.00
AGERATUM, Blue and White	3 1/2-in.	5.00
ALTERNANTHERAS	2 1/4-in.	3.00
AMPELOPSIS Veitchii	3-in.	8.00
ASPARAGUS Sprengeri	2 1/4-in.	3.00
ASPARAGUS Sprengeri	3-in.	6.00
ASPARAGUS Sprengeri	4-in.	10.00
BEGONIA, Vernon, Erfordi, Snow Queen, Crimson Bedder and Carmine	2-in.	3.00
CUPHEA Platycentra	2 1/4-in.	3.00
COLEUS, All leading sorts	2 1/4-in.	3.00
COLEUS, All leading sorts	3-in.	4.00
CENTAUREA Gymnocarpa	2 1/4-in.	3.00
DRACAENA Indivisa	4-in.	15.00
DRACAENA Indivisa	5-in.	25.00
ENGLISH IVY	4-in.	8.00
FEVERFEW, Double White	2 1/4-in.	3.00
FUCHSIAS, Dble. and Single	2 1/4-in.	3.00
FUCHSIAS, Dble. and Single	3 1/2-in.	8.00
FORGET-ME-NOT	2 1/4-in.	3.00
GERANIUMS, dble. and single	3 1/2-in.	7.00
Special Varieties	3 1/2-in.	8.00
Double and Single	2 1/4-in.	3.00
Ivy-leaved, Double	3 1/2-in.	8.00
Fragrant, Rose, etc.	3 1/2-in.	8.00
Fancy-leaved	3 1/2-in.	8.00
HELIOTROPE	2 1/4-in.	3.00
HELIOTROPE	3 1/2-in.	6.00
IVY, German	2 1/4-in.	3.00
LOBELIA, New Double Blue	2 1/4-in.	4.00
LOBELIA, New Double Blue	3-in.	5.00
LOBELIA, Dwarf and Trailing	2 1/4-in.	3.00
MOONVINE, True White	2 1/4-in.	4.00
MOONVINE, True White	4-in.	10.00
PETUNIAS Single Fringed	2 1/4-in.	3.00
SALVIAS	2 1/4-in.	3.00
SALVIAS	4-in.	6.00
SWAINSONA Alba	2 1/4-in.	4.00
STEVIA, Compacta and Variegata	2 1/4-in.	3.00
TROPAEOLUM, Double	2 1/4-in.	4.00
TRADESCANTIAS	2 1/4-in.	3.00
VINCA Variegata	3-in.	5.00
VINCA Variegata	4-in.	10.00

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CHICAGO NOTES.

On Mother's Day.

All the wholesalers are expressing themselves as strongly disapproving of the exclusive white flower for Mother's Day. One firm alone received orders for fifty thousand white carnations during the week and as the orders did not specify that colors could be substituted many had to be refused. Others, more fortunate made it possible to substitute, and still other large orders stated color was desired. The florists generally are in favor of assorted colors both from their standpoint and that of the customer, as prices will be much more moderate than when white only is used, and think now is the time to make a vigorous protest. A pertinent remark was heard on the subject that mothers by no means all like to be remembered with the white flower but prefer something less associated with death and funerals. Give us the colored flowers for the living mothers at least is the sentiment here.

Trade News.

Cemetery vases of all kinds and materials are taking the lead as sellers this month at the supply houses.

A. Meyer of South Holland will continue his stand in the old Flower Growers' Market for the present as will also Jos. Brooks and Ella Breede, on the 7½ per cent basis.

F. Oechslein, who laid in a big stock of glass some time ago has now ordered material from the Foley Manufacturing Co., for a range of six houses. They will cover 125 to 130 square feet.

E. E. Pieser, visited his peony farm at Villa Ridge, Ill., last week and found the peony crop so far in excellent condition. He thinks the quantity will probably not come up to that of last year but quality so far promises to be better.

W. E. Lynch, for ten years manager of the E. H. Hunt cut flower department, is building a range of houses at 22nd street near Harlem avenue, southwest of Chicago, and will grow cut flowers. Foley Manufacturing Co. furnishes the materials.

M. S. Brake as bookkeeper and Miss S. Hansen as assistant are the latest acquisitions to the E. H. Hunt office force. Several changes have taken place in this store since May 1. Miss Frances Brundage, secretary of the firm, has moved into the private office up stairs. C. N. Dickinson, manager, takes the office on the main floor, and Chas. Erne manages the cut flower department. The E. H. Hunt Co. are the oldest supply house in Chicago and their increased business makes changes necessary to handle it.

Personal.

H. Philpott was here for the regular meeting of the Florists' Club.

T. Vogel, formerly with Wm. J. Smyth, has returned from an extended trip in the West.

Mrs. Frank Beu has received word of the death of her mother, Mrs. Margaret Beucker at Beyreuth Germany.

Nick Mueller, who was lately with the J. B. Deamud Co., will have charge of the branch house of the Kennicott Bros., in the Fairbanks building opening this week.

Mr. and Mrs. Chas. McKellar write

that they will return from Hot Springs, Ark., about the 25th, when Mr. McKellar hopes to be free from blood poison, contracted from a knife in cutting flowers.

A. F. Longren, traveling salesman for the E. H. Hunt Co., came home for his first wedding anniversary. Mr. and Mrs. Longren were made the recipients of a dozen solid silver spoons from the employees of the firm.

Visitors: J. Miekcljohn, representing H. F. Darrow, New York; C. Loveridge and wife, Peoria, Ill.; W. B. Van Eyk, representing G. W. Van Gelderen, Boskoop, Holland; R. A. Smyth and wife, Benton Harbor, Mich.; A. L. Glaser, Dubuque, Ia.

ST. LOUIS NOTES.

Andre Viand, representing Phil L. Carbone of Boston, is spending a few days here with the local retailers.

Mr. T. J. Farney of M. Rice & Co., Philadelphia, is here this week interesting the trade in florists' supplies. Mr. Farney says that trade has been most satisfactory in all lines.

Joe Witck of Ayers' and Dave Geddis of F. C. Weber's, both of St. Louis, have exchanged jobs the past week. Mr. Geddis is now head of the design department at Mrs. Ayers' and Mr. Witck has the same position at Weber's. Both are first-class workmen.

E. W. Guy, chairman of the Florist Club trustees, called a meeting on Saturday, May 6th, which was held at Smith's store, and it was decided to hold a banquet for the celebration of the club's 25th anniversary, June 28th, at one of the big local hotels. This will be for the members and all ex-presidents who are not now members of the club. Invitations will be issued June 1 by Secretary Beneke, which will require a response.

Frank Toeber is chairman of the entertainment committee of an American Nurserymen Association which meets in St. Louis, June 14, 15, 16, at the Southern Hotel. J. W. Schutte will have charge of the exhibition and all the local nurserymen have been added to the entertainment committee. The feature of the meeting will be a trip to Stark Bros.' Nursery at Louisiana, Mo., by boat, a boat trip down to Jefferson Barracks and the banquet given by the Missouri Botanical Garden, known as the Shaw banquet, at the Southern Hotel. There is also a ladies' committee to attend to the visiting ladies, of whom they say there will be many.

Cincinnati, Ohio—C. J. Jones of Walnut Hills Floral Bazaar has gone into partnership with P. J. Olinger, the wholesale florist, and has turned his retail stores over to his son, Charles, who will now conduct same.

¶ The American people are the most powerful buying public in the world. They pay well for what they want and expect to get what they ask for. You can't make them buy what you want them to take—you must sell them what they want and when they want it, and you should be glad of the opportunity. The merchant who caters to the public want makes money and is successful. The fellow who "has something just as good" is fish-hooked for the business boneyard while his clients pass by his door whistling the Missouri air. The American public want lilies all the year 'round and the modern florist shop must have them. Not just because he wants them but because his trade does and if he don't satisfy his trade the successful merchant will do it for him. Cold storage lily bulbs have come to stay awhile and besides real good ones are quite profitable, so after all why shouldn't you have them at all times. Horseshoe Brand Giganteum from Cold Storage are ready for immediate or future delivery. There are none better. Order now.



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Not How Cheap
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VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
CELERY, White Plume, \$1.00 per 1000.
BET, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Seed Trade

Pea Prospects Good.

The planting of peas for seed purposes has been nearly or quite completed, and while they have gone into the ground somewhat later than a year ago conditions generally are very favorable and everyone in any way interested including the growers, the seedsmen and the canners, are devoutly hoping for a good crop this year. There is certainly need of it, as there are no reserves carried over and the abnormally high prices of the past year or two have discouraged and irritated buyers to a great extent. Of course the growers have been the chief losers by the repeated short crops they have had, but when seedsmen and canners have had to pay double prices for seed and then found difficulty in securing it, they are naturally disposed to grumble and criticise the seed-grower, however innocent he may be.

Good Demand for Onion Seed and Seed Potatoes.

The seed trade has noted with a great deal of satisfaction that onion seed has been in good demand this season, and that what promised to be a surplus early in the winter has been greatly reduced or altogether wiped out, and as a rule the trade will carry over but very little onion seed into the coming year. This demand has largely been due to the very high prices at which onions have been selling, and in this connection it may be noted that, notwithstanding the high price of large onions, onion sets have been selling at the lowest figures in many years. In fact there really was no market price as holders appeared glad to accept any offers submitted. Seed potatoes also have been improving in value, and those who are likely to carry any surplus will no doubt be able to dispose of the same for consumption at a price that will let them out without loss. This is certainly a great improvement on the conditions of last year, when they could scarcely be given away.

Present Weather Conditions.

Weather conditions, while not altogether ideal, have been fairly good for the past week or ten days. While there were frosts two or three nights of last week little serious damage has been reported, due mainly to the backwardness of vegetation in general. In the vicinity of New York and throughout the east quite generally rain is badly needed, and while conditions are not at all desperate, moisture will be required soon or crops certainly will suffer. Conditions are largely reversed from those of a year ago when there was a superabundance of rain during most of the month of May, to be followed in mid-June by intense heat and drought. It was this condition of the weather that produced the change in the pea crop of last year, resulting in almost a failure. If we can only have a reasonable amount of moisture and not too much heat during June we shall have a fairly good crop of peas the coming season, which as already stated, everyone is hoping for.

Turnip Seed Going Up.

Turnip seed is again in very short

supply and prices on the standard varieties are likely to reach new high levels before the close of the present season. This especially applies to the purple-top strap-leaf and the purple-top globe varieties. We have recently been informed of a purchase of several thousand pounds by one of the large jobbing houses at 24 cents, and it looks now as if 30 cents will be considered a low figure for the globe variety before the next sixty days have passed. Fortunately conditions in Europe are more favorable for a crop of most biennials than a year ago, which will probably bring prices down to a more normal level in 1912. There appears to be plenty of spinach and other seasonable seeds, though there will doubtless be a shortage in certain varieties of the green pod varieties of string beans, notably the Burpee stringless.

Garden Produce Outlook.

If one may judge of the future by the quality of seed planted this spring it looks as if green peas should bring strong and exceptionally high prices the coming season, and in fact, garden sals in general should be in good demand at profitable prices.

Fate of New York Seed Bill.

There are indications that the vicious seed bill introduced in the New York State Legislature the past winter, and against which the Seed Trade Association has waged valiant battle, is likely to fail of passage at this session, even if not killed outright. However vigilance should not be relaxed until the measure is done for, as moribund bills have a disagreeable habit of often "coming back" to vex the souls of those they are aimed at.

Too Much Muchness.

Are we not in danger of being so straight sometimes in our demand for purity and germination that we may fall over backwards? Take the 98 percent purity proposition. We get a sample of seed and we clean it and clean it and clean it—put it through the mill and sieve a dozen times, each time reducing the original bulk and doubling the cost with loss of weight and cost of labor. What happens? We have seed that is so costly that nobody can afford to buy it. Not only that but some of the most valuable seeds have been blown away. It is not always the heaviest seeds that are the most valuable. We have lost much of the perennial character of ryegrass and red top just through this method. Instead of bragging about the increase in the weight per bushel on these and other seeds, we ought to consider whether we are not changing these valuable grasses from grasses into grains. Take Avena elatior for instance, would you want to make it into oat?

American Seed Trade Association.

The officers of the American Seed Trade Association have arranged for a new and important feature of their program at their next annual meeting to be held at Marblehead, Mass., on June 20-22. This will be telegraphic reports from most of the growing sections of the United States. These reports will be given when the Association is in executive session and will be strictly private and confidential to the members of the Association only.

Undoubtedly these reports will be of great interest to all the seedsmen and they will not be published.

Notes.

New Ulm, Tex.—The seed house of Kellner & Co. was burned to the ground recently. Loss about \$1,000.

Des Moines, Iowa—The Iowa Seed Co. has begun work on the erection of a large conservatory and four greenhouses. The conservatory will be 40 x 125 feet, two of the greenhouses will be 21 x 125 and two 26 x 185.

Mr. E. L. Page, President of The Page Seed Co., of Greene, N. Y., and also President of the American Seed Trade Association, left Greene on Saturday, May 6th, for a business trip through the west and to California. He is expecting to make as quick a trip as possible and probably will return about the 20th to 25th of this month.

Reports from France indicate that the crop of crimson clover seed in that country will be an average one and that prices are likely to be about the same as last year. Orders are now being booked for July-August delivery. The alfalfa crops are also in promising condition and the highly-prized Provence strain of this clover will be available, as usual, but at no reduction in price as the demand keeps increasing faster than production.

CATALOGUE RECEIVED.

Good & Reese Co., Springfield, O. - General Plant Catalogue. "The largest rose growers in the world," are not limited to roses, as this catalogue plainly shows. Foremost in this year's novelties is the grand new Nephrolepis Roosevelt, which is advertised in this issue of HORTICULTURE. It is a winner.

MICHELL'S SEEDS
BULBS
ARE GOOD
 Send for Wholesale Price List
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Asparagus Plumosus \$2.00 per 1,000.
 SPRENGER \$1.00 per 1000. STRAW-
 BERRY GUAVA .20 cts oz. SMILAX 25 cts
 per oz. All from my own plants.

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All Leading Varieties FLOWER SEEDS

Vick's Asters, Sweet Peas, Nasturtiums, Poppies,
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VEGETABLE SEEDS

Beans, Beets, Cabbage, Corn, Cucumber, Lettuce,
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Lawn Grass and Clover Seeds, Best
Grades of Farm Seeds.

Dahlias, Tuberoses, Gladioli, Tuberous Begonias
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Hardy Flowering and Foliage Plants, Vines, Shrubs and Roses

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BEGONIAS GLOXINIAS

in separate colors

Asters in all varieties and
in separate colors

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PRODUCERS AND
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Write Us for Prices

Largest Growers of Peas, Beans and Garden
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W. KINZIE STREET CHICAGO

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
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Send to-day for sample 100 lb. bag, \$1.50. Mr. C.
E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910,
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grades of Poultry Food; Chick Starter Developing
Food and "Square Deal" Scratch or Poultry Food
stands without an equal to day. They are perfect
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In ordering goods please add "I saw
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RICKARDS BROS.

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Price list free on request.

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Established 1820

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Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

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Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

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Stocks, Asters, Chinese Primulas,
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Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

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The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plant should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.



Hybrid Tea Rose Killarney

Hybrid-Tea Roses. Novelties and Recent Introductions.

Strong Two-Year-Old Plants		Each
Comtesse Icy Hardegg (Soupert & Notting 1908).....		\$0.50
Cynthia Ford (H. Dickson 1909).....		.85
Chateau de Clos Vougeot (Pernet Ducher 1908).....		.50
Countess of Gosford (McGredy 1906).....		.35
Duchess of Wellington (Dickson & Sons 1909).....		.85
Dorothy Page Roberts (Dickson & Sons 1907).....		.50
Elizabeth Barnes (Dickson & Sons 1907).....		.50
F. R. Patzer (Dickson & Sons 1909).....		.85
Florence Edith Coulthwaite (Dickson & Sons 1908).....		.65
Grace Molyneux (Dickson & Sons 1908).....		.75
Hon Ina Bingham (Dickson & Sons 1905).....		.50
His Majesty (McGredy 1909).....		.85
Hector MacKenzie (Guillot 1909).....		.50
H. Armytage Moore (H. Dickson 1907).....		.50
Instituteur Sirday (Pernet Ducher 1906).....		.50
James Coey (Dickson & Sons 1909).....		.85
John Cuff (Dickson & Sons 1908).....		.75
Juliet (Wm. Paul & Sons 1910).....		2.25
Kronprinzessin Cecilie (Schmidt 1908).....		.75
Kaiser Wilhelm II (N. Welter 1909).....		.50
Lady Faire (Bentley 1906).....		.35
Lady Ursula (Dickson & Sons 1908).....		.75
Lina Schmidt Michel (Lambert 1905).....		.50
Laurent Carle (Pernet Ducher 1907).....		.50
Lyon (Pernet Ducher 1907).....		.50
Lady Alice Stanley (McGredy 1909).....		.85
Mrs. Harold Brocklebank (Dickson & Sons 1907).....		.50
Mme. Melanie Soupert (Pernet Ducher 1906).....		.50
Mme. Maurice de Luze (Pernet Ducher 1907).....		.50
Mrs. Peter Blair (Dickson & Sons 1906).....		.35
Marquise de Sinety (Pernet Ducher 1906).....		.75
Margaret Molyneux (Dickson & Sons 1909).....		.85
Mary Countess of Hechester (Dickson & Sons 1909).....		.85
Mrs. Aaron Ward (Pernet Ducher).....		.40
Mrs. A. R. Waddell (Pernet Ducher 1908).....		.50
Margaret (Wm. Paul & Sons 1909).....		.75
Mrs. Arthur Munt (Dickson & Sons 1909).....		.85
Mrs. Wakefield Christie Miller (McGredy 1909).....		.85
Mme. P. Euler (Guillot 1908).....		.50

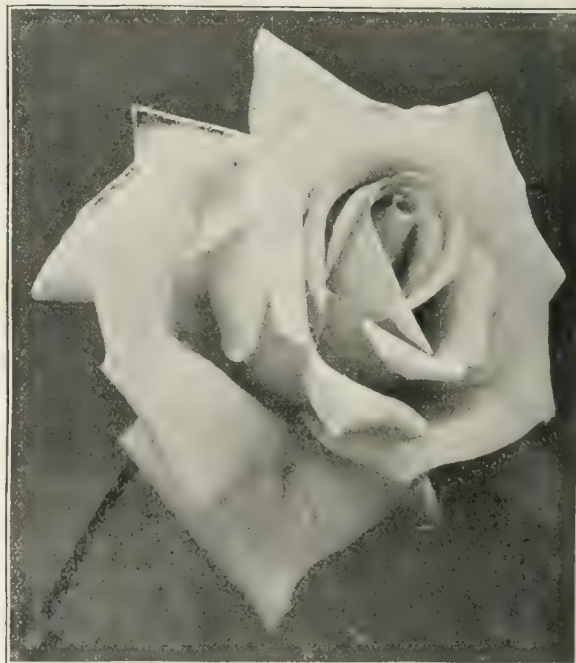
Mrs. Alfred Tate (McGredy 1909).....	\$0.8
Mrs. Edward J. Holland (McGredy 1909).....	.8
Mrs. Charles Custis Harrison (Dickson & Sons 1910).....	2.0
Otto von Bismarck (Schmidt 1909).....	.5
Reine Marguerite D'Italie (Soupert & Notting 1905).....	.5
Rosa Verschuren (Verschuren 1905).....	.3
Theresa (Dickson & Sons 1908).....	.8
Walter Speed (Dickson & Sons 1909).....	.8

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Select Standard Varieties.

Strong Two-Year-Old Plants.

	Per 100		Per 10
Antoine Rivoire.....	\$30.00	Kaiserin Augusta Victoria	\$25.00
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Betty.....	30.00	La Detroit.....	30.00
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Celia.....	40.00	La France.....	25.00
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Strong Two-Year-Old Plants

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Tea and Other Everblooming Roses.

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Catherine Mermet..... \$25.00	Maman Cochet Pink..... \$25.00
Comtesse Riza du Parc..... 25.00	" " White..... 25.00
Corallina..... 25.00	Marie Van Houtte..... 25.00
Charlotte Klemm..... 25.00	Mme. Joseph Schwartz..... 20.00
Comtesse du Cayla..... 25.00	Papa Gontier..... 25.00
Clothilde Soupert..... 25.00	Queen Mab..... 25.00
Duchess de Brabant..... 25.00	Queen's Scarlet, or Agripina..... 20.00
Etoile de Lyon..... 25.00	Souvenir de Pierre Notting..... 30.00
Francisca Kruger..... 25.00	Souvenir de Catherine Guillot..... 30.00
G. Nabonnand..... 25.00	Safrano..... 25.00
Hermosa..... 20.00	William B. Smith..... 25.00
Leonie Lamesch..... 25.00	
Mrs. B. R. Cant..... 25.00	

Hybrid Perpetual Roses.

Two-Year-Old Plants.

Per 100	Per 100
Alfred Colomb..... \$25.00	Frau Karl Druschki..... \$25.00
Anna de Diesbach..... 25.00	General Jacqueminot..... 25.00
Alfred K. Williams..... 25.00	Gloire de Margottin..... 25.00
Baroness Rothschild..... 25.00	Gloire de Lyonaise..... 25.00
Camille Bernardin..... 25.00	Her Majesty..... 30.00
Capt. Christy..... 25.00	Jean Liabaud..... 25.00
Captain Hayward..... 25.00	Louis Van Houtte..... 25.00
Charles Lefebvre..... 25.00	Mrs. R. G. Sharman Crawford..... 25.00
Earl of Dufferin..... 25.00	Mrs. John Laing..... 25.00
Fisher Holmes..... 25.00	Mabel Morrison..... 25.00
Francis Michelon..... 25.00	Mme. Victor Verdier..... 25.00

Per 100	Per 100
Mme. Gabrielle Luizet... \$25.00	Rodocanachi \$25.00
Marie Baumann..... 25.00	Soliel d' Or..... 30.00
Paul Neyron..... 25.00	Tom Wood..... 25.00
Prince Camille de Rohan. 25.00	Ulrich Brunner..... 25.00
Queen of Queens..... 25.00	Victor Verdier 25.00

Baby Rambler Roses.

Per 100
Annen Muller, Pink Baby..... \$20.00
Catherine Zeimet, White Baby..... 20.00
Mme. Norbert Levasseur, Crimson Baby..... 20.00
Mrs. Cutbush, Cherry-red Baby..... 20.00

Rugosa Roses.

Two-Year-Old Plants.

Per 100
Blanc Double de Coubert..... \$25.00
Nova Zembla..... 25.00
Rugosa, Red..... 15.00
" White..... 15.00

Moss Roses.

Strong Two-Year-Old Plants.

Per 100
Blanche Moreau..... \$25.00
Comtesse de Muranaise..... 25.00
Crested Moss..... 25.00
Crimson Globe..... 25.00
Gloire de Mosses..... 25.00
Princess Adelaide..... 25.00

Sweet Briar Roses.

Strong, Two-Year-Old Plants.

Per 100
Refulgence (New), 75 cts. each..... \$30.00
Anne of Geierstein..... 30.00
Brenda..... 30.00
Lord Penzance..... 30.00
Lady Penzance..... 30.00
Meg Merillies..... 30.00
English Sweet Briar or Eglantine..... 15.00

Austrian or Yellow Briar Roses.

Two-Year-Old Plants.

Per 100
Austrian Copper..... \$25.00
Persian Yellow..... 25.00

Rambler, Hardy and Tender Climbing Roses.

Strong, Two-Year-Old Plants.

Per 100
American Pillar..... \$50.00
Baltimore Belle..... 20.00
Crimson Rambler..... 25.00
Climbing Clothilde Soupert..... 25.00
" Caroline Testout..... 30.00
" Belle Siebrecht..... 30.00
" Kaiserin Augusta Victoria..... 35.00
Dorothy Perkins..... 25.00
Delight..... 75.00
Excelsa, \$1.25 each.....
Flower of Fairfield (Everblooming Crimson Rambler)..... 30.00
Gloire de Dijon..... 30.00
Hiawatha..... 25.00
Lady Gay..... 25.00
Marechal Niel..... 30.00
Newport Fairy..... 25.00
Philadelphia Rambler..... 25.00
Prairie Queen..... 20.00
Reine Marie Henriette..... 30.00
Tausendschon..... 25.00
Trier..... 25.00
Veilchenblau (Blue Rose)..... 35.00
White Dorothy..... 30.00
White Banksia..... 25.00
Yellow Banksia..... 25.00
Yellow Rambler..... 25.00

Standard or Tree Shaped Roses.

Good Plants in Seven-Inch Pots.

Per 100
Caroline Testout..... \$75.00
Frau Karl Druschki..... 75.00
Killaraey..... 75.00
La France..... 75.00
Mme. Jules Grolez..... 75.00
Ulrich Brunner..... 75.00

Henry A. Dreer, Inc.,

714 Chestnut Street,
Philadelphia, Pa.

The above prices are intended for the trade only.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881, Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP,
96 Yonge St., - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Denver, Colo.—The New York Floral Co. has been purchased by J. L. Ennegon.

New York, N. Y.—The Greeley Square Florist Co. has moved to 2391 Broadway.

Philadelphia, Pa.—A flower department will be opened in Gimbel Bros.' store sometime in September by C. C. Trepel of New York.

Charlotte, Mich.—W. E. Garman intends to go out of the retail business, devoting his time to the wholesale end. J. H. Gibbons will take up the retail work.

Waukesha, Wis.—Robert D. Schenck has sold his interest in the Waukesha Floral Co. and has gone into business in Richland Centre. Fred W. Bliese, who has been in partnership with Mr. Schenck will now manage the business.

STEAMER DEPARTURES

American.

Philadelphia, N. Y.-S'h'mpt'n. May 13
St. Louis, N. Y.-S'h'mpton. May 20

Anchor.

California, N. Y.-Glasgow. May 13
Columbia, N. Y.-Glasgow. May 20

Atlantic Transport.

Minneapolis, N. Y.-London. May 13
Minnetonka, N. Y.-London. May 20

Cunard.

Ivornia, Boston-Liverpool. May 16
Campania, N. Y.-Liverpool. May 17
Saxonia, N. Y.-Mediterranean. May 18
Carmania, N. Y.-Liverpool. May 20

Hamburg-American.

Pres. Lincoln, N. Y.-H'mb'rg. May 17
Hamburg, N. Y.-Medit'r'n. May 20

Holland.

Noordam, N. Y.-Rotterdam. May 16
Rotterdam, N. Y.-Rotterdam. May 23

Leyland.

Bohemian, Boston-Liverpool. May 13
Devonian, Boston-Liverpool. May 20

North German Lloyd.

K. Wilhelm II, N. Y.-Br'm'n. May 16
P. F. Wilhelm, N. Y.-Br'm'n. May 18
K. W. Der G., N. Y.-Bremen. May 23
Berlin, N. Y.-Mediterranean. May 13
F. Der G., N. Y.-Medit'r'n. May 20

Red Star.

Finland, N. Y.-Antwerp. May 13
Lapland, N. Y.-Antwerp. May 20

White Star.

Celtic, N. Y.-Liverpool. May 13
Tentonic, N. Y.-S'h'mpton. May 17
Baltic, N. Y.-Liverpool. May 20
Canopic, Boston-Medit'r'n. May 20
Zeeland, Boston-Liverpool. May 23

Detroit—B. York of Hancock, who has spent the past winter with Breitmeyer to further develop in the decorating line, has returned home.

B. Schroeter is moving into his temporary store this week.

Herman Knope is a patient at the Pennsylvania Avenue Sanitarium.

The old buildings adjoining Breitmeyer's have been leveled preparatory to the erection of Breitmeyer's new store.

Local sympathies have been greatly aroused by an auto accident which happened to Mrs. J. F. Sullivan. Their car collided with a street car and Mrs. Sullivan was thrown with such force that her right arm above the elbow and one rib were broken. She was removed to St. Mary's Hospital where she is doing quite nicely.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNBLL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph & Cable address Dardsaplor.

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The Florist

DAYTON, OHIO

is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE Florists' Supply House of America

New Goods for Memorial Day,
Graduations and June Weddings.

**H. BAYERSDORFER & CO., 1129 ARCH STREET
PHILADELPHIA, PA.**

For Now and Memorial

NEW CROP DAGGER and FANCY FERNS, now ready, A No. 1 quality, \$2.00 per 1000. Order from the house that never disappoints.

BRILLIANT BRONZE and GREEN GALAX, very scarce, \$1.25 per 1000; \$9.00 per case of 10,000.

IMPORTED OAK LEAVES, \$2.00 per basket.

IMPORTED BRONZE and GREEN MAGNOLIA LEAVES, best quality, \$2.00 per basket.

IMMORTELES, all colors, 15c. per bunch.

GREEN LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000.

BOXWOOD, 18c. per lb. BOUQUET GREEN, 8c. per lb.

LAUREL WREATHS, extra fine, \$3.00 to \$4.00 per doz.

LAUREL FESTOONING, extra heavy, \$6.00 per 100 yds.

BRANCH LAUREL, 50c. per bundle.

SPHAGNUM MOSS, 50c. per bag; \$2.00 and \$4.50 per bale.

GREEN and VIOLET TIN FOIL, best quality, 17c. per lb.

PLAIN TIN FOIL, 9c. per lb.

All kinds of crepe Waxed Flowers, extensively used for Memorial Day.

Satisfaction guaranteed. We can fill all orders; send them in. We can save you money on everything you buy in Florists' Supplies.

PLACE YOUR ORDERS NOW. SATISFACTION GUARANTEED.

HENRY M. ROBINSON & CO.,

15 PROVINCE ST.
9 AND 15 CHAPMAN PL.

BOSTON, MASS.

*Wholesale Commission Florists, Manufacturers and Importers of Florists' Supplies
Hardy Cut Evergreens*

Established 1874.

**JOHN V. PHILLIPS
FLORIST**

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

In ordering goods please add "I saw
it in HORTICULTURE."

PERSONAL.

John T. Leavy, florist and pioneer settler of Greeley, Colo., celebrated his 80th birthday anniversary on April 28.

A. Bretschneider, for seven years superintendent for Jos. E. Hubinger, New Haven, Conn., has rented the greenhouses and nurseries of W. J. Schonman, Danielson, Conn.

George Jackson, for a long time gardener for Mr. E. S. Harkness at Goshen Point, Waterford, Conn., has been compelled by poor health to resign his position. The appreciation of his employer for his faithful services is evinced by the gift of a substantial monthly pension.

Buffalo visitors: A. Pauly, Attica, N. Y.; Max B. Eatres, of Dayton Paper Novelty Co.; H. S. Baker, Warsaw, N. Y., and A. Zirkman, representing M. Rice & Co., Philadelphia, Pa.

NEWS NOTES.

Charlotte, Mich.—J. H. Gibbons has taken over the cut flower trade of W. E. Garmon.

Holidaysburg, Pa.—Allen S. Meyers, florist, has entered suit against the Pennsylvania Railroad for \$45,000 for alleged destruction of flowers, foliage and plants by smoke and soot from the engines which stopped in front of his greenhouses.

South Bend, Ind.—The Beyer Co., florists, have filed suit against the South Bend Manufacturing Co. for \$38,000. A tract of land owned by the Beyer Co. was rendered worthless by the construction of a dam by the South Bend Manufacturing Co.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMuklin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeyer's Sons.
Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

NEW FLOWER STORES.

Hartford, Conn.—John Brodrib, 909 Main street.
Rome, N. Y.—Charles Link, 120 No. James street.
Perth Amboy, N. J.—Frank Vanderliev, 201 Main street.
Bethlehem, Pa.—Mrs. Minnie H. Weber, 19 East Broad street.
Hartford, Conn.—W. W. Hunt & Co., branch store, 24 State street.
New York, N. Y.—The Bridge Plant Market Co., 349 East 60th street.

We Want You To Know Our

BEAUTIES

THE BEST—\$25.00 per 100

Try a sample shipment, you want them again.

New Crop Dagger Ferns

\$2.50 per 1000

The Leo Niessen Co.

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

John Kruchten

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES AND CARNATIONS

Our Specialties.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON May 11	CHICAGO May 11	TWIN CITIES April 25	PHILA. May 9
Ara. Beauty, Fancy and Special	20.00 to 25.00	25.00 to 30.00	30.00 to 40.00	20.00 to 25.00
Extra	12.00 to 15.00	20.00 to 25.00	25.00 to 30.00	15.00 to 20.00
No. 1	8.00 to 10.00	15.00 to 20.00	15.00 to 20.00	12.50 to 15.00
Lower grades	2.00 to 6.00	3.00 to 10.00	8.00 to 15.00	8.00 to 10.00
Bride, 'Maid, F. & S.	5.00 to 8.00	6.00 to 8.00	6.00 to 8.00	4.00 to 6.00
Lower grades	1.00 to 3.00	3.00 to 5.00	3.00 to 6.00	1.00 to 3.00
Richmond, Chateaux, Fancy & Special	5.00 to 8.00	6.00 to 8.00	4.00 to 7.00	10.00 to 15.00
Lower grades	2.00 to 5.00	3.00 to 5.00	2.00 to 4.00	4.00 to 6.00
Killarney, My Maryland, Fan, & Spl.	4.00 to 8.00	6.00 to 8.00	6.00 to 8.00	8.00 to 10.00
Low grades	1.00 to 3.00	3.00 to 5.00	4.00 to 6.00	3.00 to 5.00
CARNATIONS, First Quality	2.50 to 3.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
Ordinary	1.00 to 1.50	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	40.00 to 60.00	60.00 to 70.00	40.00 to 50.00
Lilies, Longiflorum	5.00 to 8.00	10.00 to 15.00	10.00 to 12.50	8.00 to 10.00
Callas	5.00 to 8.00	6.00 to 8.00	10.00 to 12.00	8.00 to 10.00
Lily of the Valley	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Mignonette	1.00 to 3.00	3.00 to 5.00	3.00 to 4.00	3.00 to 4.00
Lilac, per bunch	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50	1.00 to 1.50
Tulips	1.50 to 2.00	3.00 to 6.00	2.00 to 3.00	2.00 to 3.00
Daffodils	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	1.00 to 1.50
Daisies	.50 to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.50
Snapdragon	3.00 to 5.00	6.00 to 8.00	1.00 to 1.50	5.00 to 15.00
Sweet Peas	5.00 to 10.00	1.00 to 1.25	.75 to 1.00	.50 to 1.00
Gardenias	8.00 to 10.00	10.00 to 20.00	20.00 to 25.00	10.00 to 15.00
Adiantum	1.00 to 1.25	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 16.00	15.00 to 20.00	15.00 to 20.00	25.00 to 30.00
Asparagus Plumosus, strings (100)	5.00 to 10.00	5.00 to 7.50	5.00 to 7.50	5.00 to 7.50
" " & Spreng. (100 bchs.)	40.00 to 50.00	25.00 to 40.00	25.00 to 35.00	40.00 to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS FRESH STOCK

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. Roses and Carnations Our Specialty

In writing to Advertisers kindly mention Horticulture

Flower Market Reports

Market conditions remain much the same as a week ago. The overstock in wholesale quarters is still very heavy and it practically includes all sorts of material. There is some hope of improvement in the near future, however, as it is evident that the heavy crop of many growers is past the high mark and a lightening up of receipts is now in sight. The only item that shows any activity is the white carnation, due to the "Mothers' Day" call, but this carries along with it, in a slight degree colored carnations and other things and the close of the present week should show a better balance sheet than either of the two previous ones.

The first half of last week's trade was only fair, plenty of everything and prices discouraging, but with favorable weather Friday, Saturday and Sunday things evened up. Good violets are about over with. Sweet peas have sold well, also lily of the valley and greens—the latter being still on the scarce side. On Monday, May 8th, the market opened more brisk, the supply equalling demand, floral work in evidence and a good portion of carried over material consumed. It is hoped that trade will continue good throughout the week after so good a beginning.

One more score is laid up either for or against the weather as the florists' interests are concerned. The wholesaler welcomed the change which a fall in temperature and dampness brought. The market has been flooded with stock of all kinds and conditions for the past two weeks and the first week in May reduced it to almost a normal condition again. The change came with a drop of from 40 to 50 degrees in portions of the west and snow, rain and cloudy weather quickly put a winter schedule into effect. The output was quickly curtailed along all lines, carnations feeling the change most. Roses are still plentiful but there is no danger of an overproduction again at present as many of the largest growers took advantage of the glut to replant. The Beauty situation is unusual this year. The plants have been so backward in blooming ever since the holidays that now growers are loth to replant while the crop is on. There are, therefore, a very large quantity of long-stemmed Beauties on the market today. Iris is shortening and selling slowly. Extra fine tulips are coming from the interior of the state. Southern ferns are beginning to come in and there are some good eastern stock still to be had. It is regarded by all as an unusual year for sweet peas. Not only has the supply been abundant throughout the season but the demand has held steady. John Kruchten, one of the many who specialize in peas still finds the Blanche Ferry very satisfactory and his crop has run steadily all the season. Glad-ioli of the best varieties are bringing good returns to the grower, some splendid Francis King selling at \$2.00 per doz.

BOXWOOD SPRAYS FOR MEMORIAL DAY

Order in good time so that stock may be reserved for you and shipped on the date you wish. Do not leave this until the last minute.



We are the introducers of this item and headquarters for it. It has become immensely popular, not only for holiday work, but all the year round. The most useful and decorative green imaginable. Artistic wreaths and designs can be made of it and find ready sale. Our stock is always clean and fresh with rich, glossy, dark green foliage. Often sold as the German Myrtle. No surplus wood. The very best quality for florists use, \$7.50 per 50 lb. crate. Special prices for large quantities.

Ivy Leaves, Leucothoe Sprays, Dagger Ferns, Galax, Magnolia, Bay, etc.—at lowest market rates. See our weekly price list.

S. S. PENNOCK-MEEHAN CO. THE Wholesale Florists of PHILADELPHIA

NEW YORK PHILADELPHIA WASHINGTON
109 W. 28th Street 1608-1620 Ludlow Street 1212 New York Av.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
	April 25		May 9		May 9		May 9	
Am. Beauty, Fan. and Sp.....	15.00	to 25.00	20.00	to 25.00	20.00	to 25.00	20.00	to 25.00
" Extra.....	8.00	to 10.00	15.00	to 20.00	12.00	to 15.00	12.50	to 18.00
" No. 1.....	4.00	to 5.00	10.00	to 15.00	8.00	to 10.00	6.00	to 10.00
" Lower grades.....	.....	to 4.00	4.00	to 10.00	2.00	to 3.00	2.00	to 4.00
Bride, 'Maid, F. & S.....	.....	to 6.00	6.00	to 8.00	5.00	to 6.00	.....	to 6.00
" Low. gr.....	2.00	to 3.00	3.00	to 6.00	2.00	to 3.00	.....	to 3.00
Richmond, Chateauf, Fancy & Special	.....	to 6.00	6.00	to 8.00	5.00	to 6.00	6.00	to 10.00
" Lower Grades.....	2.00	to 3.00	1.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Killarney, My Maryland, Fan. & Spl.	.....	to 6.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
" Low. Grades	2.00	to 3.00	3.00	to 6.00	2.00	to 4.00	3.00	to 4.00
CARNATIONS, First Quality.....	.....	to 3.00	2.00	to 3.00	1.50	to 3.00	2.00	to 3.00
" Ordinary.....	.....	to 2.00	1.00	to 2.00	1.00	to 1.50	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	.....	to 50.00	.....	to 50.00	50.00	to 60.00	60.00	to 75.00
Lilies, Longiflorum.....	6.00	to 8.00	.....	to 12.50	0.00	to 8.00	6.00	to 10.00
Callas.....	6.00	to 8.00	.....	to 12.50	6.00	to 8.00	.....	to 10.00
Lily of the Valley.....	.....	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette.....	8.00	to 10.00	3.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Lilac, per bunch.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to 1.25
Tulips.....	2.00	to 3.00	.....	to 3.00	.....	to 2.00	1.00	to 2.00
Daisies.....	.....	to 3.00	3.00	to 5.00	1.00	to 2.00	1.00	to 2.00
Snapdragon.....	8.00	to 10.00	3.00	to 6.00	5.00	to 6.00	4.00	to 8.00
Sweet Peas.....	.....	to .75	.....	to 1.00	.....	to .75	.....	to 1.00
Gardenias.....	.....	to 1.00	.....	to 1.50	1.00	to 1.50	1.00	to 1.25
Adiantum.....	.....	to 12.00	.....	to 15.00	.....	to 15.00	12.50	to 15.00
Smilax.....	.....	to 50.00	20.00	to 30.00	50.00	to 60.00	30.00	to 40.00
Asparagus Plumosus, strings (100	.....	to 50.00	20.00	to 30.00	50.00	to 60.00	30.00	to 40.00
" " & Spren. (100 bchs.)	.....	to 25.00	20.00	to 30.00	35.00	to 50.00	.....	to 50.00

(Continued on page 714)

M. C. FORD
 Successor to
FORD BROTHERS
 121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
 A Full Line of All CUT FLOWERS.
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 Choice Cut Flowers,
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Wholesale Commission Florists
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Wholesale Florist
 45 W. 28 Street, NEW YORK
 Call and Inspect the Best Establishment
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 122 West 25th St., New York
Florists' Supplies
 We manufacture all our
 Metal Designs, Baskets, Wire Work & Novelties
 and are dealers in
 Glassware, Decorative Greens and Florists' Requisites

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Wholesale Commission Florist SELLING AGENT FOR
 A full line of Choice Cut Flower Stock for all purposes. The LARGEST GROWERS
 by the 100, 1000 or 10,000 The HOME OF THE LILY
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 Wholesale Commission Dealer in
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 Where best market rates and prompt payments are assured.
 Growers of flowers for New York market start the season right
 by calling and talking it over. Established, 1887. Open, 8 a. m.
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 THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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 Telephone
JAMES McMANUS, 759 Mad. Sq. 42 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending May 6 1911		First Half of Week beginning May 8 1911	
American Beauty, Fancy and Special.....	10.00	to 20.00	10.00	to 20.00
“ “ Extra.....	5.00	to 8.00	5.00	to 8.00
“ “ No. 1.....	2.00	to 4.00	2.00	to 4.00
“ “ Lower Grades.....	“	to 1.00	.50	to 1.00
Bride, 'Taid, Extra and Special.....	3.00	to 5.00	3.00	to 5.00
“ “ Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Chatenay, Extra and Special.....	5.00	to 10.00	5.00	to 10.00
“ “ Lower Grades.....	.50	to 3.00	.50	to 3.00
Killarney, My Maryland, Extra and Special.....	3.00	to 5.00	3.00	to 5.00
“ “ Lower Grades.....	.50	to 2.00	.50	to 2.00
Carnations, First Quality.....	1.00	to 2.00	1.00	to 2.00
“ “ Ordinary.....	.50	to .75	.50	to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
 34 West 28th Street, New York
 Telephones { 1664 } Madison Square
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 CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
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TRAENDLY & SCHENCK
Wholesale Florists
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WHOLESALE FLORISTS
Choice Cut Flowers
 48 CONSIGNMENTS SOLICITED
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 Prompt Payments. Telephone 3559 Madison Sq

FRANK MILLANG
Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.



MICHIGAN CUT FLOWER EXCHANGE, Inc.
 WHOLESALE COMMISSION FLORISTS
 Consignments Solicited
Hardy Fancy Fern Our Specialty
 38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER
 Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
 A First Class Market for all CUT FLOWERS
 28 Willoughby St., Brooklyn, N. Y.
 Tel. 4591 Main

WILLIAM F. KASTING Co.
 Wholesale Florists
 383-387 ELLICOTT ST. - - BUFFALO, N. Y.

Flower Market Reports

(Continued from page 710)

With the supply in car-
DETROIT nations and lilies some-
 what shortened and a
 demand equal to last year conditions
 in general are greatly improved. Vio-
 lets and the whole line of spring flow-
 ers are about consumed, iris, baby
 gladiolus and outdoor tulips taking
 their places. Sweet peas are coming
 in very good and are most useful for
 corsages, etc.

While the wholesale
NEW YORK markets are about
 overwhelmed with
 outdoor garden products and belated
 spring weather is making amends for
 past lapses in the exuberance of the
 crops, yet it is evident that the period
 of flood tide on standard indoor stock
 has at last been passed and more nor-
 mal conditions will soon be in order.
 The present week has, however, been
 a tough one for the wholesalers, who
 have had great difficulty in finding
 avenues of distribution for the surplus
 which has been poured in on them,
 the question of price being secondary
 to that of unloading. Now comes
 "Mothers' Day" and Memorial Day is
 not far off and many growers are al-
 ready throwing out old stock and re-
 planting. Better balance between sup-
 ply and demand is in sight.

Were you ever an
PHILADELPHIA impressionist
 painter? Probably
 not. But you know what that is:—
 The lad that starts out and says: "I
 will tell the exact bald truth, just as it
 is, in all its nakedness!" Well, out he
 goes and visits the markets and lis-
 tens to the tales of woe. Everything
 going to the demnition bow wows. No-
 body making any money. If it isn't
 a case of too much stuff—it's a case of
 not enough. By the time he gets his
 "truthful" impression from all this, he
 is an ardent pessimist—and off he goes
 to his studio and pictures it accord-
 ingly. If there were nothing but these
 impressionist correspondents around,
 wouldn't it be a melancholy world of
 dark and doleful reading—to peruse
 the trade reports of our flower mar-
 kets. But as a rule these correspon-
 dents are not impressionist painters.
 They listen to these terrible tales; put
 them through the crucible of their
 higher intelligence and by their in-
 stinctive powers of reasoning, induc-
 tive and deductive, their experience of
 present and past conditions, and their
 intimate knowledge of the natural
 proclivity to growl with or without
 reason they manage to paint a true

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 6 1911		First Half of Week beginning May 8 1911	
Cattleyas.....	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum.....	2.00	to 4.00	2.00	to 4.00
Callas.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Mignonette.....	.50	to 2.00	.50	to 2.00
Lilac, per bunch.....	.05	to .10	.05	to .10
Tulips.....	1.00	to 2.00	1.00	to 2.00
Daffodils.....	1.00	to 1.50	.25	to 1.50
Daisies.....	.25	to 1.00	.25	to 1.00
Snapdragon.....	2.00	to 5.00	2.00	to 5.00
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 5.00
Gardenias.....	1.00	to 8.00	1.00	to 8.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	8.00	to 15.00	8.00	to 15.00
Asparagus Plumosus, strings.....	.....	to 5.00	.....	to 5.00
" " & Spren. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

New Crop Dagger and Fancy Ferns

\$1.75 per 1000. A-1 STOCK
 Discount on Large Orders



CROWL FERN COMPANY

Send us your order now for Memorial Day use and get the best stock

WE NEVER DISAPPOINT
 Brilliant Bronze and Green Galax, \$1.00 per
 1000, \$7.50 per case.
 Boxwood, 150 per lb., or \$7.50 per case.
 Bronze Leucothoe Sprays, \$1.00 per 100.
 Laurel Wreaths, extra nice, \$1.00 per doz.
 Laurel Festooning, the best, \$5.00 per 100 yds.
 Branch Laurel, 35c per large bundle.
 Sphagnum Moss, \$4.00 per bale.
 Bouquet Green, 7c per lb.

MILLINGTON, MASS.



KRICK'S FLORIST NOVELTIES

Manufacturer and Patentee of the Per-
 fect Adjustable Pot Handle or Hanger,
 Perfect Adjustable Plant Stands and
 the Original Genuine Immortelle Let-
 ters, etc. Every Letter Marked

1164-66 Greene Ave., Brooklyn, N. Y.
 For Sale by all Supply Houses.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
 Manufacturer of Florist Wire Designs,
 All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75
 per 1000. Green and Bronze Galax, 90c. per
 1000; by the case, \$7.50. Boxwood, 50-lb.
 case, \$7.50; by the lb., 25c. Laurel Wreaths,
 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per
 doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50
 per doz. Laurel Trimming, 4 and 5c. per yd.

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Simple methods of correct accounting
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 Telephone, Main 58.

picture of real conditions from week
 to week in spite of the cuttle-fish ob-
 scurio that is fired at them by all and

(Continued on page 722)

THE BEST LETTERS

FOR THOSE
 FLORIST'S MADE
 USE BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local
 supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always
 in Stock.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75; 50,000... \$7.50. Sample free.

For sale by dealers

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGATHEAS

Agatheas, 2½-in., \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

AGERATUMS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Ageratum Stella Gurney, strong, 2c. C. H. Jacobs, Westfield, Mass.

Ageratum. Rooted cuttings, \$5.00 per 1000.
The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

The best Blue and White Flowering varieties, 2½ inch pots, 40c. per dozen; \$2.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ALTERNANTHERAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Alternanthera, 2 inch, red and yellow, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

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AMPELOPSIS VEITCHII, 2 year, 18 to 24 inch tops, \$1.75 per dozen, \$12.00 per 100. Our new trade list of everything you need now ready, mailed on application. Write today.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus S., 4 inch, at \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

Asparagus Sprengeri, strong 3 in. plants, \$5.00 per 100. Edw. Doege, 434 N. Springfield Ave., Chicago, Ill.

ASPARAGUS SPRENGERII, 2½ inch pots, \$2.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

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Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

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High Grade Asters.
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A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

AUCUBA

AUCUBA JAPONICA VARIEGATA.

This is a grand plant for the center of vases, green foliage with large yellow spots, very showy plants, 2½ to 3 feet high; well branched. 65c. each, \$6.00 per dozen.

AUCUBA JAPONICA BERRIED TYPE.
Dark green foliage, the plant almost hid with bright scarlet berries, plants two feet high; well berried. 75c. each; \$8.00 per dozen.

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THE GOOD & REESE CO.,

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SPRINGFIELD, OHIO.

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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Bedding plants in variety; Heliotrope, Fuchsias, Petunias, Salvias, Ageratums, Stocks, etc., 3½ in., 6c.; Coleus, Verbenas, Mme. Sallerol, Golden Feather, Lobelias, Petunias single, 2½ in., 3c. Cash. H. Hansen, Malden, Mass.

Geraniums Nutt, Ricard, Poitevine, Vland, Jaulin and La Favorite, 4 in., \$8.00 per 100. Salvia Bonfire, Heliotrope, English Ivy, 3½ in., \$6.00 per 100. Double Feverfew, 4 in., \$8.00 per 100. White Marguerite Daisies, 3 and 4 in., \$4.00 and \$10.00 per 100. Abutilon Savitzii, 4 in., \$10.00 per 100. Cannas, bronze and green, 3½ in., \$5.00 per 100. Dracaena Indivisa, 4 and 5 in., \$10.00 and \$20.00 per 100. Geranium Sallerol, Begonia Vernon, German Ivy, 3 in., \$5.00 per 100. Blue Ageratum, Verbenas and Dusty Millers, 2½ in., \$2.50 per 100. Cash. F. Sokol, Worcester, Mass.

BEGONIAS

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Skidelsky & Irwin Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Tuberous Rooted Begonias.

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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

Begonia luminosa, pink and red, 2½-in. pots, \$2.50 per 100; 3-in. pots, \$4.00 per 100. Cash with order or satisfactory references. John Boehner, 18 Obell Ct., Dayton, O.

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Kroeschell Bros. Co., 466 Erie St., Chicago.
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New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

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Joseph Breck & Sons, 47-54 N. Market St., Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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Fottier, Fiske, Rawson Co., Boston, Mass.
Begonias, Gloxinias.

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E. S. Miller, Wading River, N. Y.

For page see List of Advertisers.

CALLAS

Calla Little Gem, strong 2½-in., \$4.00 per 100; thumb pots, \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

CANNAS

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Cannas, 4 inch, under name Extra Strong, \$8.00 per 100. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

CARNATION STAPLE

Wm. Schlatter & Son, Springfield, Mass.
Superior Carnation Staple.

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

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Chicago Carnation Co., Joliet, Ill.

Carnation Washington.

For page see List of Advertisers.

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Poehlmann Bros., Morton Grove, Ill.

For page see List of Advertisers.

Early carnation cuttings. Place your orders now and you will get immediate delivery. Enchantress, Perfection, Beacon, \$3.00 per 100, \$25.00 per 1000; Rose-Pink Enchantress, White Enchantress, Winsor, \$2.50 per 100, \$20.00 per 1000. We can fill orders from 1000 to 100,000 and guarantee the stock. Write us for Chrysanthemum cuttings, ready early in March. J. D. Thompson Carnation Co., Joliet, Ill.

For List of Advertisers See Page 728

CARNATIONS—Continued

THE NEW HARDY EVER-BLOOMING
CARNATION "CRIMSON KING."

Everybody has asked for a Carnation that would live out in the garden during the winter. We have pleasure in offering this new plant, as it will fill the bill. It is absolutely hardy, standing even the Canadian winters in the yard. It blooms all summer long; never a day that you cannot cut blossoms. By potting up in the fall you can have flowers in the house all winter. The color is a rich crimson, the fragrance is delicious. We know of no plant that the florists can offer to their patrons that will give as much satisfaction as the Hardy Carnation Crimson King. 2½ in. pots, per dozen, \$1.25; per 100, \$8.00; per 1000, \$75.00. Twenty-five plants sold at hundred rates; 250 plants at thousand rates.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CEMETERY VASES

N. F. McCarthy & Co., Boston, Mass.
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CHRYSANTHEMUMS

Chas. H. Totty Madison, N. J.
Chrysanthemums F. E. Nash and Pioneer.
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For page see List of Advertisers.S. J. Reuter & Son, Inc., Westerly, R. I.
For page see List of Advertisers.Elmer D. Smith, Adrian, Mich.
For page see List of Advertisers.Shatemuc Nurseries, Barrytown, N. Y.
Pompon Chrysanthemums.
For page see List of Advertisers.Chrysanthemum rooted cuttings. Send
for price list. Wm. Swayne, Kennett
Square, Pa.Herrington's book on the Chrysanthemum
mailed to your address for 50c., by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.Chrysanthemums, rooted cuttings, R.
Halliday, Amorita, Dr. Enguehard, Ivory,
J. Jones, White Jones, Minnie Bailey,
Bonnaillon, Rosiere, Polly Rose, Mrs. Lotz,
\$10.00 per 1000. Cash please. Hilpert &
Hammen, 313 Belair Road, Baltimore, Md.SMITH'S
CHRYSANTHEMUMS.
WEEKLY BULLETIN.Prime stock ready for immediate delivery.
Price, except where otherwise quoted
\$3.00 per hundred, \$25.00 per thousand.Not less than 25 of a kind at hundred
and 250 at thousand rate.

WHITE—Smith's Advance, 50c. each,
\$4.00 per ten; \$35.00 per hundred. Polly
Rose, Oct. Frost, Ivory (Indiana \$4.00—
\$35.00). Mrs. H. Robinson, Pres. Taft, Mlle.
Margaret Desjouis, Mrs. Wm. Arnold,
(Lynnwood Hall \$4.00—\$35.00). W. H.
Chadwick \$4.00—\$35.00. (White Helen
Frick \$5.00—\$45.00). (Thanksgiving Queen,
50c. each, \$4.00 per ten, \$35.00 per hundred).
Jeanne Nonin, (Dec. Gem, 50c. each, \$4.00
per ten, \$35.00 per hundred). YELLOW—
Golden Glow (Yellow October Frost, \$4.00—
\$35.00), Comoleto (Yellow Ivory, \$4.00—
\$35.00), Donatello, \$5.00—\$45.00). Col. D.
Appleton, Major Bonnaillon (Dolly Dimple,
\$4.00—\$35.00), (Roman Gold, 50c. each, \$4.00
per ten, \$35.00 per hundred), (Golden
Chadwick, \$5.00—\$45.00). Yellow Mrs.
Jones (Nagoya, \$4.00—\$35.00).

PINK—Unaka, 50c. each, \$4.00 per ten,
\$35.00 per hundred. Glory of Pacific, Pacific
Supreme, Gloria, Pink Ivory, Mrs. Wm.
Wincott, (Patty, \$4.00—\$35.00), Minnie
Bailey, Maud Dean, Helen Frick.

ANEMONES—WHITE, Garza, Mrs. August
Knab. YELLOW, Gertrude Wilson,
Lida Thomas. PINK, Ada Sweet, Katherine
Simmons, Vayenne. POMPONS—
WHITE, Diana, Lula. YELLOW, Baby
Ira, Klondike, Skibo. PINK, Alma.
BRONZE, Clorinda. SINGLES—WHITE,
Lady Lu. YELLOW, Little Barbee. PINK
Catharine Livingston, Itaska, Lillie God-
frey, Alice Bronson Houston, Mrs. J. A.
Peterson. RED, Bishop Henningshaus,
Minnesota. BRONZE, Arlee, Peter Pan.

This Bulletin will be changed each week
to comply with stock on hand.

Rooted cuttings will be furnished at 50c.
per hundred; \$5.00 per thousand less than
prices quoted above.

ELMER D. SMITH & CO., Adrian, Mich.

CHRYSANTHEMUMS—Continued

Chrysanthemums. Enguehard, Bonnaillon,
Napier, Polly Rose and Pacific Supreme,
strong, healthy 2½-in. plants, \$2.00 per 100;
\$18.00 per 1000. Cash. H. E. Mitting,
Atchison, Kan.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt, Bristol,
Pa.

CLEMATIS

CLEMATIS PANICULATA GRANDI-
FLORA, strong, one-year field grown, \$6.50
per 100, \$60.00 per 1000.

Our new trade list of everything you
need now ready. Mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

10,000 Clematis paniculata seedlings (I
grow my own seed), \$7.50 per 1000. Clematis
paniculata, out of 2-in. pots, \$20.00 per
1000. Cash with order.
S. V. Smith, 3323 Goodman St., Philadelphia,
Pa.

Clematis paniculata from 2 in. pots, \$2.50
per 100; \$20.00 per 1000. Cash. H. G. Norton,
Perry, Ohio.

COBEAS

Cobea, 4 inch, at \$10.00 per 100. The
Geo. Witthold Co.'s Edgebrook Greenhouses
and Nurseries, Edgebrook, Chicago, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh,
Md.

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A. N. Pierson, Inc., Cromwell, Conn.
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All the leaders, except yellow foliaged
varieties, 2½ inch pots, \$2.00 per hundred;
\$18.00 per thousand.

Coleus, yellow foliaged varieties, 2½ inch
pots, \$2.50 per hundred.

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need now ready; mailed on application.
Write today.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CONIFERS

Eastern Nurseries, Jamaica Plain, Mass.
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COREOPSIS

COREOPSIS LANCEOLATA GRANDI-
FLORA.

Invaluable for cutting; field plants
divided. \$2.50 per hundred.

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need now ready; mailed on application.
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The Largest Rose Growers in the World.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.

For page see List of Advertisers.

We offer twenty of the choicest varieties
of Crotons, suitable for bedding, 2½ inch
pots, 60c. per dozen; \$4.00 per hundred;
\$35.00 per thousand.

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need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made.
Write for list. Holton & Hunkel Co., Milwaukee,
Wis.

CYCLAMENS

Cyclamen—Best Varieties in different
colors, 3 inch pots, strong plants, \$10.00
per 100, \$80.00 per 1000. Julius Roehrs
Company, Rutherford, N. J.

CYCLAMENS—Continued

CYCLAMEN GIGANTEUM.

The finest strain, 2½ inch pots, \$4.00 per
hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CYPERUS

Cyperus alternifolius, \$3.00 per 100. Geo.
H. Mellen Co., Springfield, Ohio.

DAHLIAS

Herbert, Acto, N. J.

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M. Vincent, Jr. & Sons Co., White Marsh,
Md.

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Shatemuc Nurseries, Barrytown, N. Y.
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Dahlias—2500 field clumps, latest varieties,
cheap for cash; or what have you to
exchange? Geo. H. Walker, Dahlia Expert,
North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send
for list of your wants to the Eastern
Dahlia King, J. K. Alexander, E. Bridgewater,
Mass.

Dahlias, divided roots, from 1 to 2 eyes
to the piece. Send for list and get the
latest varieties. W. P. LOTHROP, Brockton
Dahlia Farm, E. Bridgewater, Mass.

Dahlias. 200,000 field-grown No. 1 stock,
50,000 clumps, balance separated. Order
early for spring delivery. Catalogue free.
J. L. Moore, Northboro Dahlia and Gladiolus
Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett,
Golden Wedding, New Century Dahlias,
etc. Big stock of best cut flower
dahlias. Write for surplus list and special
prices. Peacock Dahlia Farms, Williamstown
Junction, N. J., Post Office, Berlin,
N. J.

Dahlia Bulbs for retail trade, \$3 per 100,
\$25 per 1000. Each bulb labeled with name,
variety and color; 100 lots will contain 5
each of 20 varieties, including Cactus,
Show, Decorative, etc.

C. Peirce, Dighton, Mass.

In 50 best varieties, all classes and colors;
divided field tubers, 75c. per dozen; \$6.00
per hundred.

Dahlias, green plants from 2½ inch pots.
These will bloom best of all, in 100 leading
varieties, 50c. per dozen, \$4.00 per hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

DAISIES

Daisies, Marguerites, 4 and 4½-in., nicely
budded, \$10.00 per 100. Cash.

John Fuhlbruegge, Winona, Minn.

DAISY SHASTA

From 2½ inch pots, \$3.00 per hundred.
Field Grown plants, 75c. per dozen; \$6.00
per hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts.,
Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena Indivisa, 4 in., \$8.00; 5 in.,
\$18.00 and \$20.00; 6 in., \$25.00 and \$30.00
per 100. C. H. Jacobs, Westfield, Mass.

Dracaena Indivisa, extra good stock, 6-
in., \$6.00 per doz.; 5-in., \$4.00 per doz.; 4-
in., \$2.50 per doz. Vinca, variegated, 4-in.
pots, \$10.00 per 100. Cash. Chas. H. Green,
Spencer, Mass.

Dracaena Indivisa, 5 in., 25c.; 5½ and 6
in., 35 to 50c.; 7 and 8 in., 75c. to \$1, and
larger ones \$1.50 to \$2.00. Cash. H. Hansen,
Malden, Mass.

In writing to Advertisers kindly mention Horticulture

DRACAENAS—Continued**DRACENA INDIVISA**

From 2 1/4 inch pots, \$3.00 per hundred. Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100.
Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, West Newbury, Mass.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street,
Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. B. Pierson Co., Tarrytown-on-Hudson,
N. Y.

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Thomas Roland, Nahant, Mass.

Boston and Scotti Ferns.

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Boston ferns, large 6 in. plants, 50c. each.
Edw. Doege, 4344 N. Springfield Ave.,
Chicago, Ill.

Boston ferns, strong runners, \$10.00 per 1000. Write for special prices on 5,000 to 20,000 lots. **F. M. Soar**, Little River, Fla.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. **J. F. Anderson**, Fern Specialist, Short Hills, N.J.

5000 Boston ferns, choice plants, 6 inch, 25c.; 2500 strong runners, Boston and Whitman, ready for 2 1/2 and 3 inch, choice stock. Cash.

A. G. Lake, Wellesley Hills, Mass.

Fine stock from 2 1/4 inch pots, ready now.
NEPHROLEPIS ROOSEVELT (the Fountain Fern).

(New). See display advertisement in this issue of HORTICULTURE, page 709. The grandest of all ferns. We book your order now for June 1st delivery. \$3.50 per dozen, \$25.00 per hundred, \$200.00 per thousand.

NEPHROLEPIS BOSTONIENSIS (the Boston Fern), \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS DAVALLOIDES FURCANS (the Fish Tail Fern), \$4.00 per 100.

NEPHROLEPIS GOODII (the Baby's Breath Fern), an improved Amerpohlii. \$1.00 per dozen, \$7.00 per hundred.

NEPHROLEPIS SCOTTII (the Newport Fern), \$4.00 per hundred.

NEPHROLEPIS SPRINGFIELDII (the Springfield Fern), upright fern for vases, \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS SUPERBISIMA (the Fluffy Ruffles Fern) (New), \$1.00 per dozen, \$6.00 per hundred.

NEPHROLEPIS WHITMANII (the Ostrich Plume Fern), \$3.50 per 100.

NEPHROLEPIS HARRISII (the Harris Fern), a sport from Boston of stiff, upright growing habit, \$4.00 per 100, \$35.00 per 1000.

For larger size ferns write for prices. Our new trade list of everything you need now ready. Mailed on application. Write today.

IMPORTANT SPECIAL NOTICE.**PRICE ADVANCE.**

The heavy demand from those who have seen Nephrolepis Roosevelt growing on our place and scarcity of stock compels us to advance the price on all orders dated after June first, to the following: Two and one-fourth inch pots, 50 cents each; \$4.50 per dozen; \$25.00 per hundred; \$200.00 per thousand. It is our belief the price of Nephrolepis Roosevelt for 1911 will be maintained during the season of 1912.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. **George Stevens**, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. **The Humus Products Co.**, 292 North Sixth St., Newark, N. J.

FEVERFEW

Feverfew, \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

FICUS**FICUS ELASTICA**

Rubber plants, fine stock, \$4.00 per dozen; \$30.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.
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W. C. Krick, 1184-86 Greene Ave., Brooklyn, N. Y.
Immortelle Letters.
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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.
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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.
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FLOWER POTS

W. H. Ernest, 28th and M Sts., Washington, D. C.
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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.

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Syracuse Pottery Co., Syracuse, N. Y.

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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT BASKETS AND CRATES.

Webster Basket Co., Webster, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by **F. A. Waugh**, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.
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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

B. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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John McKenzie, North Cambridge, Mass.
Best Standard Varieties.
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GERANIUMS—Continued

Geraniums. **Mme. Sallerol**, 2 1/4-in., strong cool grown plants, \$2.00 per 100; special price on 1000.

J. L. Stone, Trumansburg, N. Y.

Geraniums, leading varieties: **Ricard**, **Nutt**, **Poitvine**, **La Favorite**, **Montmort**, etc., at \$7.00 per 100; in bud and bloom. Cash. **H. Hansen**, Malden, Mass.

Geranium Mme. Sallerol, strong, cool grown, heavy stock, ready immediate shift; few thousand left, must go, \$2.00 100, special price 1000. Cash please. Satisfaction guaranteed. **Round Lake Greenhouse**, East Lenox, Pa.

Geraniums, **Double New Life**, and **Mrs. Taylor**, strong 2 1/4-in., \$3.00 per 100. **Snowstorm** (silver leaved), \$4.00 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

GLADIOLI

Gladiolus Bulbs. **Groff's Hybrids**, white and light, pink and shades of pink; 1st size, \$7 per 1000; 2nd size, \$4 per 1000. **Blue heliotrope** and **lavender mixture**, \$10 per 1000, 1st prize; 250 at 1000 rates.
C. Peirce, Dighton, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.
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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. **Johnston Glass Co.**, Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GLOXINIAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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GREENHOUSE BUILDING MATERIAL

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King Construction Co., N. Tonawanda, N. Y.
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J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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Lora & Burnham Co.,

1133 Broadway, New York.

GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago.

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A. T. Stearns Lumber Co., Boston, Mass.
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Hitchings & Co., 1170 Broadway, N. Y.

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Lord & Burnham,

1133 Broadway, New York.

Pierson U-Bar Co., Madison Ave., New York.
Designer and Builder.

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hall Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

H. M. Blasien & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York.
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Crowl Fern Co., Millington, Mass.
New Crop Fancy and Dagger Ferns.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

HELIOTROPES

A. N. Pierson, Inc., Cromwell, Conn.
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Dark blue Heliotrope, 3½-inch, extra bushy, in bud and bloom, \$6.00 per 100.
C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HOLLYHOCKS

George F. Kimbel, Flourtown, Pa.

HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA (Hills of Snow) (New), 2-year-old field grown, 3 to 5 canes, \$2.00 per dozen, \$12.00 per hundred.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kilmdead Tobacco Dust.
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Aphine Manufacturing Co., Madison, N. J.
Aphine.
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E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
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GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.
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IVIES

Ivy, rooted cuttings, English, \$1.00; German, 50c. per 100 prepaid. Chas. Frost, Kenilworth, N. J.

HARDY ENGLISH IVY.

3 plants out of 3-in. pots, 12 to 16 in. long, \$5.00 per 100. Cash with order. S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

German Ivy, 2½-inch, \$2.00 per 100; 3-inch, \$4.00 per 100. C. H. Jacobs, Westfield, Mass.

ENGLISH IVY

From 2½ inch pots, 50c. per dozen; \$4.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

JAPAN MAPLES

Japan Maple in leaf, 6 inch, \$1.00 each. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

JASMINES

Jasmine Maid of Orleans, 2½-in., strong plants, 6 to 10 in. high, \$4.00 per 100. Geo. H. Mellen Co., Springfield, Ohio.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE
Home Correspondence School, Springfield, Mass., Dept. 8.
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LANTANAS

Lantana St. Louis, 2½-in. pots, \$2.50 per 100. Cash with order or satisfactory references.

John Boehner, 18 Obell Ct., Dayton, Ohio.
Lantanas, in variety, \$3.00 per 100. Weeping lantanas, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.
Best Dwarf Bedders, five distinct colors, 50c. per dozen; \$3.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMONS

American Wonder lemon, 2½-in., \$3.00 per 100; 4-in., \$15.00 per 1000. Geo. H. Mellen Co., Springfield, Ohio.

PONDEROSA LEMON

Gigantic fruit, 2½ inch pots, 50c. per dozen; \$3.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMON VERBENAS

ALOYSIA CITRIODORA (Lemon Verbena). The foliage has a decided lemon fragrance, 2½ inch pots, 50c. per dozen; \$3.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LILIUM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY CLUMPS

Wm. Elliott & Sons, New York.
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LOBELIAS

Lobelia K. Mallard, good ones, 2½ in., 2c. J. Clint McPherson, Carrollton, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MOON VINES

Godfrey Aschmann, Philadelphia, Pa.
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Moonvines, white, \$3.50 per 100; \$30.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.

IPOMEA MAXIMA, the giant flowering, flowers twice the size of the old variety. Order now as there are never enough moonvines to go around. 2½ inch pots, \$4.00 per 100; the old variety, \$3.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

MYRTLE

STRONG FIELD-GROWN PLANTS.
\$2.50 per 100; \$22.00 per 1000.

E. K. MOONEY,
MADEIRA NURSERIES, MADEIRA, O.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIEREMBERGIAS

Nierembergia Gracilis, exquisite for porch boxes, vases, baskets, etc. In bud and bloom \$1.00 doz., \$5.00 per 100. The Union City Greenhouses, Union City, Pa.

NIKOTEE APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

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Direct Importations.

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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Mannual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORANGES**OTAHEITE ORANGE**

2½ inch pots, 50c. per dozen; \$3.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Wanted—To buy orchids, established or unestablished plants, any quantity for cash. E. L. N., 486 Broad St., Providence, R. I.

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Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams. 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

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PANDANUS

Pandanus Veitchii cuttings, \$1.00 per 25, post paid. F. M. Soar, Little River, Fla.

PANSIES

The Kenilworth strain of Giant Pansies, \$3.50 per 1000; 100 prepaid, 50c. Chas. Frost, Kenilworth, N. J.

PAPER POTS

Paper Pots; 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PASSIFLORAS

Passiflora Pfordti (blue), \$3.00 per 100. Geo. H. Mellen Co., Springfield, Ohio.

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Siggers & Siggers, Washington, D. C.

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Foley Mfg. Co., Chicago.

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A. T. Stearns Lumber Co., Boston, Mass.

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PEONIES

PEONIES—1200 sorts, an enormous stock. List ready. C. Betscher, Canal Dover, O.

Write for our special price list on peonies. We have all the good ones. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Single petunias, Dreer's finest, 2½ in. pots, \$2.00 per 100. L. R. Bell, Manlius, N. Y.

Petunias. Single, fringed California Giants, transplanted in soil, cool grown, \$1.50 per 100; \$14.00 per 1000. E. V. B. Felthousen, 184 Van Vranken Ave., Schenectady, N. Y.

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I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHLOX

We offer fifty thousand hardy phlox in 10 leading varieties, all colors, field grown plants, \$3.00 per hundred, \$27.50 per thousand. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.

"Riverton Special."

PIPE AND FITTINGS

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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Chinese Primroses from finest strain, 2½ inch pots, 50c. per dozen; \$3.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,

The Largest Rose Growers in the World. SPRINGFIELD, OHIO.

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John Waterer & Son, Bagshot, England. Hardy and Forcing Varieties.

P. Ouwerkerk, Hoboken, N. J.

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Decoration Day Roses.

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Montrose Greenhouses, Montrose, Mass.

Own Root White and Pink Killarney and Aaron Ward.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIAS

A. N. Pierson, Inc., Cromwell, Conn.

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Salvias, 2 inch, at \$20.00 per thousand. The Geo. Wittbold Co.'s Edgebrook Greenhouses and Nurseries, Edgebrook, Chicago, Ill.

Salvias, scarlet and dwarf scarlet, \$2.50 per 100, \$20.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.

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Beans, Peas, Sweet Corn, Onion, Turnip.

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All Leading Varieties of Seeds.

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J. Bolgiano & Son, Baltimore, Md.

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SNAPDRAGONS

Snapdragon Walke Seedling, pink, first prize National Show. Rooted cuttings, \$2.00 per 100. Cash. Ready now. 2½ in. pots in June, \$5.00 per 100. Loring Ave. Conservatories, Salem, Mass.

SOLANUMS

Solanum jasminoides, \$2.50 per 100; \$20.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.

SPIREA

Spiraea Gladstone in bud; nice plants, \$4.00 per dozen; in bloom \$6.00 per doz. The Geo. Wittbold Co., Edgebrook, Chicago, Ill.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Murrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

STRAWBERRY PLANTS

"Dewdrop," ever bearing, largest in the world, color rich crimson, no green tips, combines flavor of pineapple and wild strawberry, unexcelled shipping qualities. Free circular. H. F. Dew, Albion, Mich.

SWAINSONAS

Swainsonas, pink and white, \$3.00 per 100. Geo. H. Mellen Co., Springfield, Ohio.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.

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VEGETABLE PLANTS

Booking orders for tomatoes in 2-in., \$1.00 per 100; 2½-in., \$1.50 per 100; 3-in., \$2.00 per 100. Also other vegetables and bedding plants. Guaranteed all satisfactory.

H. Klahr, Schobarle, N. Y.

Spring grown Jersey Wakefield cabbage plants, transplanted and cold frame hardened. Extra fine stock, 50c 100, \$4.00 1000. Russell Bros., R. D. No. 4, Syracuse, N. Y.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.

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VERBENAS

Finest seedlings from 2 1/4 inch pots, \$2.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

VINCAS

Vinca variegata, 2 inch, 2 cts.; rooted cuttings, \$1.00 per 100. Russell Bros., R. R. 4, Syracuse, N. Y.

Vinca variegata, very strong field stock, 4 1/2 in., 6 to 10 leads, \$7.00 per 100; 10 to 25 leads, \$10.00 per 100; 3 in. pots, 3 to 6 leads, \$4.00 per 100. L. R. Bell, Manlius, N. Y.

VINCA VARIEGATA

4 1/2 in., strong, bushy plants,
\$15.00 per 100; \$145.00 per 1000.
Strong 2 1/2 in., \$2.50 100; \$20.00 1000.
Cash with order.

H. HANSEN, MALDEN, MASS.

VIOLETS

Violets, hardy English or Russian, \$6.00 per 100; Princess of Wales and California, \$3.00 per 100.

Geo. H. Mellen Co., Springfield, Ohio.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 28-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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WIRE DESIGNS, NEW CROP FERNS AND GREENS.

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During Recess

Milwaukee vs. Chicago at Chicago,
May 7, 1911.

Ideal weather and a general feeling of good fellowship made the day of the Milwaukee team's visit to Chicago a memorable one. When the train over the Northwestern pulled into the depot at 11:30, May 7th, seven autos, all belonging to florists, were in waiting and a ride through the city began immediately. Jackson, Washington, Lincoln and Garfield Parks visited and a dinner at the Hofbrau followed. The principal event of the day came next and was a decided victory for the Chicago boys. Al. Fischer again made the highest individual score, 212. After the game a supper was served and speeches were made by the presidents of the Milwaukee and Chicago Florists' Clubs and members of the teams. A number of lovers of the game who are not in the teams were present and about fifty sat down to the supper. As the train bearing the Milwaukee boys home left the depot it was unanimously decided that a successful event had taken place and that there would be others in the future.

A meeting was held Tuesday evening to organize a summer bowling league.

First Team.

CHICAGO.	MILWAUKEE.
Fischer, 147 166 212	Ruset, 115 129 157
Ayers, 170 203 136	Kellner, 144 143 149
Hu'bner, 183 167 178	Zweifel, 148 146 138
J. Zeck, 146 124 178	P.Nohos, 152 156 123
A. Zeck, 201 183 167	Holton, 159 178 180

Second Team.

CHICAGO.	MILWAUKEE.
Lorman, 136 134 131	Currie, 169 151 120
Goeris'h, 117 176 122	G. Pold, 154 198 132
Graff, 142 168 159	Cassidy, 148 163 137
Schultz, 141 158 110	Manas, 116 125 103
Farley, 210 182 209	Leidiger, 148 131 156

Third Team.

CHICAGO.	MILWAUKEE.
Fr'dm'n, 152 150 161	Hunkel, 106 128 199
Byers, 128 149 171	Leitz, 97 97 91
Krauss, 119 125 189	A. Hare, 124 111 107
Degnan, 167 118 149	Oestr'er, 100 97 129
Wolf, 155 169 154	Hummel, 179 103 137

The bowling club will now bowl each Wednesday evening at Bensing-er's to qualify for the Bowling League of the S. A. F. in August.

New York Bowlers.

The New York club commenced its contest for membership in the team to represent New York at the Baltimore convention, on Friday evening, May 5th. On Wednesday of this week the club went to Tuxedo to play the return match there, and on Saturday evening, May 20th, the Madisons will endeavor to regain their lost laurels at Thum's alleys. Scores May 5.

Al. Rick-ards..	116 144 134	W. Rick-ards..	148 144 138
Irwin ..	102 107 104	Shaw ..	155 145 167
Chad'ck 141 172 ...	125 138 125	Kakuda	188 177 168
Holt ..	146 135 129	Scott ..	125 138 125
Nugent. 88 100 109	144 172 164	Shaw, 154 125 130	

Scores Monday afternoon, May 8:

Scott, 144 172 164	Shaw, 154 125 130
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 Sheridan, W. F.720
 Siebrecht & Sie-
 brecht.720
 Siggers & Sig-
 gers.730
 Skidelsky & Ir-
 win.710
 Smith, P. J.720
 Smith, E. D. &
 Co.699
 Smith, W. & T.
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 Smyth, Wm. J.716
 Standard Plate
 Glass Co.731
 Stoothoff, H. A.
 Co.729
 Sturges, A. T.
 Lumber Co.731
 Stupp & Walter
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 Syracuse Pottery
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Thorburn, J. M.
 & Co.713
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 Sons, Inc.700
 Totty, Chas. H.699
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 Schenck.720
 Valentine, J. A.716
 Vick's, Jas. Sons.713
 Vincent, R., Jr.,
 & Sons.699-711

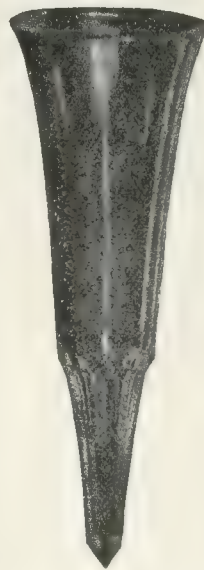
Walbridge Co.728
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 Co.711
 Welch Bros.718
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 Withers, J. T.700
 Wood Bros.710
 Young, A. L.720
 Young & Nugent.716
 Zinn, J. A.717

A NEW IMPORTING HOUSE.

Loechner & Co. is the title of a new firm of horticultural importers and exporters with headquarters at 11 Warren street, New York city. The members of the firm are Oscar Haase and Chas Loechner. Mr. Loechner was well known for many years as the New York representative of the Yokohama Nursery Co. He has a host of friends everywhere who will join us in wishing a long and prosperous career, for his new firm. They propose to handle Japanese bulbs, German lily of the valley pips, Belgian palms, azaleas, etc.

Invitations are out for a House Warming Reception by Doubleday, Page & Co., at Country Life Press, Garden City, Long Island, N. Y., on May 23.

Hawley Cemetery Vase



The Hawley Glass Cemetery Vase, — flared top, 5½ inches in diameter, 9 inches deep, inside measure, with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase, No. 1 in both green and white enamel, 6½ inches deep and four inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are ¾ inches deep 3¼ inches diameter and a four inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Also, Stone Cemetery Vases in blue only. These are 6½ inches deep, 4½ inches in diameter with a four inch spike. Price \$1.50 per dozen.

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Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

Over 100 styles and sizes
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HENRY C. PRICE

WANTED—A sober and industrious all-round man in a retail florist establishment where a general variety of stock is grown. If married, no family. Geo. E. Felch, Ayer, Mass.

HELP WANTED—An experienced plant grower to work under foreman; send references and wages expected to Thomas Roland, Nahant, Mass.

SITUATIONS WANTED

SITUATION WANTED by married man, American, as all around greenhouse man where a general variety of plants are grown; 15 years experience; 5 years in present place; quick, sober and reliable; two children under 4 years. First class references. Address Rainey, care of HORTICULTURE office.

SITUATION WANTED—Carnation, Violet, and 'Mum grower, good propagator, American, middle aged. J. P. Hersey, Roslindale, Mass.

FOR SALE

BOILER FOR SALE.

A Hodge make of East Boston tubular steam boiler in use a few months only, and in splendid condition. Length 13 ft. 4 in., diameter 40 in., 2 in. tubes, modern rocker grate, and complete front and all irons for bricking in. Price, loaded on your team here or on cars, \$100.00—and it is worth \$400.00. W. C. Ward, 577 Adams St., E. Milton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write FARSELSKY BROTHERS, INC., 60 Montrose Ave., Brooklyn, N. Y.

BUSINESS CHANCES

PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conservatory, care HORTICULTURE.



Write for Catalogue

Tree tubs and brass hoop Jardiniers with extension stave foot

The American Wooden-
Ware Mfg. CO.,
Toledo, Ohio, U. S. A.

In ordering goods please add "I saw it in HORTICULTURE."

Flower Market Reports

(Continued from page 721)

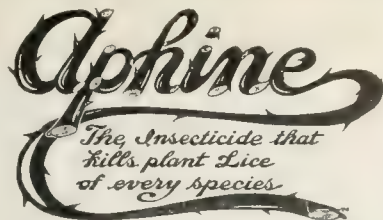
sundry. This is as it should be and proves the value of the trade press in keeping a happy equilibrium between the contending interests—each in its turn so blinded that they cannot see the inter-relation of all and each. There is no branch of the florist trade suffering any ills worthy of mention at the present time. Compared with previous years the past week showed a good volume of business. If prices were low in some lines the clean up made amends in many ways, and the general howl is quite uncalled for. Vale.

The market last week was rather different from that reported for the previous week. Everything was scarce. Kirkwood, where most of our home-grown stock comes from, sent in very little, and of course, the outside shipments sold up clean. It is not that business was so good but the scramble for stock made it look that all were busy. Prices in the meantime went up a few cents. Carnations were up to \$4 for fancy and \$2 to \$3 for common. Roses did not go up much as they were more plentiful. Sweet peas 50 to 75 cents per 100. Other flowers such as lilies, lily of the valley and Cape jasmines remained at the old price. Peonies bring \$5 for the best. Lilac is about over but a lot of other outdoor stock is now coming and sells well.

We learn that plans are about perfected for the establishment of a wholesale flower market in Providence, R. I.

GREENHOUSES BUILDING OR CON-TEMPLATED.

Little Rock, Ark.—Gus. Garrett, one house.
Pasadena, Cal.—H. F. Prentice, one house.
Spokane, Wash.—A. Horrall, one house.
Rochester, N. Y.—H. P. Neun, four houses.
Rice Lake, Wis.—C. A. Hannamann, one house.
Rochester, N. Y.—George J. Keller, one house.
Natick, Mass.—Robert Montgomery, additions.
Hillsboro, Ore.—Clarke Bros., range of houses.
Columbia, S. C.—Mrs. J. M. Eison, two houses.
Wheaton, Ill.—E. T. Wanzer, house, 20 x 100 feet.
Cleburne, Tex.—J. S. Boyd, house, 40 x 110 feet.
Sault Ste. Marie, Mich.—F. A. Denman, one house.
Athol, Mass.—George W. Sutherland, one house.
Kalamazoo, Mich.—Van Bochove & Bro., two houses.
Rochester, N. Y.—J. B. Keller's Sons, one house.
Milford, Ill.—J. M. Smith of Kokomo, Ind., one house.
Lafayette, Ind.—H. Roth, two houses, each 26 x 114 feet.
Monongahela, Pa.—J. Shelby Crall, house, 40 x 135 feet.
Bloomfield, N. J.—Jacob Hauck, one house, 25 x 250 feet.
Manheim, Pa.—E. P. Hostetter, house, 42 x 400 feet.



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.
\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.
\$2.00 per gallon, 75c. per quart.

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Send for name of nearest selling agent.

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Aphine and Fungine can be used in house or field.

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Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50
In barrels, \$1.00

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KILMDEAD
The best of all
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Fumigating

25 lbs., \$1.00
50 lbs., 1.75
100 lbs., 3.00
500 lbs., 14.00
1000 lbs., \$27.00
2000 lbs., 52.00

Stump & Walter Co.
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To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

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SCALEDICIDE

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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Chicago, Ill.—W. E. Lynch, three houses, each 28 x 285 feet.

David City, Neb.—F. J. Ayres, carnation house, 15 x 50 feet.

Terre Haute, Ind.—Cowan Bros. & Co., plant house, 12 x 100 feet.

Sterling, Ill.—Sterling Floral Co., two houses, each 24 x 142 feet.

Saginaw, Mich.—J. B. Goetz & Sons, three houses, each 28 x 150 feet.

Fitchburg, Mass.—George R. Wallace, two houses, each 35 x 75 feet.

Vincennes, Ind.—John G. Frisz, four vegetable houses, each 34 x 100 feet.

Brandywine Summit, Pa.—J. R. Kilpatrick, carnation house, 40 x 125 feet.

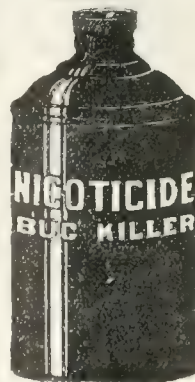
Chestnut Hill, Philadelphia, Pa.—Myers & Samtman, house, 55 x 300 feet.

Fitchburg, Mass.—George R. Wallace, two houses each 35x75 and head house.

Davenport, Iowa—J. W. Davis, three houses, 43 x 600 feet, one house 24 x 260 feet.

Stroudsburg, Pa.—J. Howard Stone, one house 28 x 150 feet, three houses 25 x 150 feet.

Atlantic, Iowa—The Atlantic Greenhouses Co., five houses, three 25 x 125 feet, two 16 x 125 feet, also boiler house.



The Best Bug Killer and Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
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green flies and
black ones too

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back: why try cheap substitutes that makers do not dare to guarantee

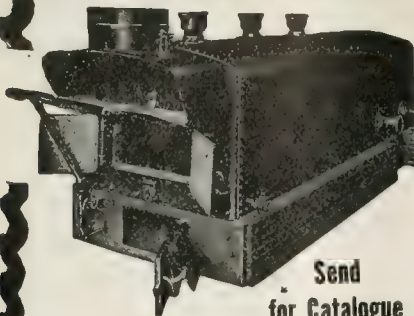
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Can you afford to remain ignorant?
It means \$'s for you. Write for sample
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"The No. 4 boiler we purchased of you in 1909 has given the very best satisfaction—would wish no better. Have taken out return tubular boiler this Fall, which used one-half more coal than your present boiler. Your boiler is so easy to regulate that in a few minutes I can run up the temperature by opening drafts. The flow and return connections with Generator all work the very best, according to your plans. We cannot give your boiler enough praise: so far as I have given it a test, my old boiler would not be in it comparing to how much more attention the old one took."

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POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

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The first public exhibition ever held of landscape architecture, town planning, and interior decoration, in fact, all allied branches of architecture, building and engineering will be a feature of the Architecture and Building Show, which will officially open the New Grand Central Palace, Lexington avenue and 46th street, New York, said to be the world's largest and handsomest exposition building, on May 19 to 27th, inclusive.

INCORPORATED.

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Keyser, W. Va.—Abrams Ridge Orchard Co., capital stock \$20,000. Incorporators, T. T. Huffman, H. L. Arnold, D. F. Huffman and others.

Davenport, Iowa—The J. W. Davis Co., capital stock \$40,000. Incorporators, J. W. Davis, Mary E. Davis, Charles Grilk and Albert Ankeny.

Madison, Wis.—Oneida Commercial Cherry Orchard Co., capital stock \$50,000. Incorporators, B. N. Bowman, Henry Sturm, and Alfred Mueller.

Lonaconing, Md.—The Fred Sloan Orchard Co., capital stock \$10,000. Incorporators, Fred J. Sloan, James M. Sloan, M. Percy Sloan, Alec Sloan and Henry M. Hodgson.

FIRE RECORD.

The dry weather has been responsible for many serious forest fires throughout New England during the past week. Many buildings have also been consumed, among which were the greenhouse on the F. A. Day estate at Newton, Mass., and two greenhouses and a water tank at Dover, Mass., belonging to Chas. S. Darnell.



DREER'S

Florist Specialties.
New Brand New Style
Hose "RIVERTON"
Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST
1/4-inch, per ft., 15 c.
Reel of 500 ft., " 14 1/2 c.
2 Reels, 1000 ft., " 14 c.
1/2-inch, " 13 c.
Reels, 500 ft., " 12 1/2 c.
Couplings furnished.

HENRY A. DREER,
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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2 in. pots in crate \$4.88	144 6 in. pots in crate \$3.26
1500 2 1/2 " " " 5.25	120 7 " " " 4.20
1500 3 " " " 6.00	60 8 " " " 3.00
1000 3 " " " 5.00	
800 3 1/2 " " " 5.80	HAND MADE
500 4 " " " 4.50	48 9 in. pots in crate \$3.60
450 4 1/2 " " " 5.24	48 10 " " " 4.80
320 5 " " " 4.51	24 11 " " " 3.60
210 5 1/2 " " " 3.78	24 12 " " " 4.80
	12 14 " " " 4.80
	6 16 " " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address **HILLFINGER BROS., Pottery, Fort Edward, N.Y.** August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

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"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.
New price list on application.

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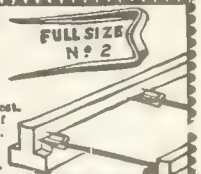
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Finest Mixed, all colors —
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NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. It has not reverted in the last four years.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$12.00 to \$18.00 per dozen; large specimens in 12-in. pans, \$3.00 to \$5.00 each.

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SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted,—*Pteris Mayii*, *Wimsetti*, *Adiantoides*, *Aspidium tsusimense*, *Cyrtomium falcatum*, etc.

Nice plants, 2¼-in. pots, \$3.50 per 100.

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HORTICULTURE

Vol. XIII.

MAY 20, 1911

No. 20

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GARDEN



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and
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Japanese Quinces at the Arboretum

Among the manifold attractions of the Arnold Arboretum at this season of the year the Japanese quinces are by no means the least conspicuous, and visitors who are interested in the most desirable shrubs for their gardens will do well to inspect these during the next two weeks. The typical species *C. Japonica* has long been used in American gardens as a hedge plant and as such it has much to recommend it but it is undoubtedly seen to the best advantage when grown as a single specimen in the shrubbery or on a lawn where its true character can be properly developed. Under such conditions it usually makes a neat specimen from three to five feet in height with broadly spreading somewhat pendulous branches, but I know of one plant which has stood in the same position on a lawn for eighty years and is now twelve feet high and seventy feet in circumference. In the spring when the leafless branches are thickly clothed with a multitude of bright red blossoms this is a remarkable bush. Varieties are now obtainable in many shades of color and a good selection is to be found at the Arboretum on the right of the Forest Hills entrance in what is known as the shrub order.

Among many good colors opinions must, of course, differ as to which is the most desirable but I think there can be no doubt that the variety known as *C. Japonica Simonii* is unsurpassed by any. The flowers which are a rich, deep red, a color very seldom seen in flowers, are semi-double and of large size. The varieties *cardinalis*, *coccinea* and *Knap Hill scarlet* all have very bright, showy flowers, the latter being especially good. Several white varieties are also in existence the best being *nivalis* and *Mallardii*. *Moerloesii* and *Gaufordii* both have flowers composed of pink and white.

Another species of Japanese Quince which is smaller in all its parts than *C. Japonica* is *C. Maulei* which is a delightful shrub with orange-scarlet blossoms produced in great profusion. The most noteworthy variety of this is *C. Sargentii*, a very handsome form, worthy the name, with bright scarlet flowers. The varieties *alba* and *superba* are also very desirable.

For general cultivation in gardens where the best hardy shrubs are desired these beautiful Japanese subjects cannot be too highly recommended as they can be used for many purposes and never fail to give a fine display of gorgeous blossoms. As single shrubby specimens on grass or in the mixed collection or for planting amid rockwork they are extremely useful and they can also be utilized for clothing walls or pergolas. One does not usually associate them with the two latter but I have seen them largely used in these positions with the most satisfactory results.

Visitors to the Arboretum after having seen some of the beautiful flowering trees and shrubs often inquire where such and such can be obtained and it is much to be regretted that one has to reply in nine cases out of ten, "I do not think you can obtain them from any American nursery." However much one may regret this it is nevertheless true and it is very much to be hoped that some of our prominent hardy-plant nurserymen will cultivate the rarer and more beautiful shrubs so that the general garden lover may be able to enjoy them in his own garden as well as in this famous institution.

Arthur. E. Thatcher

Arnold Arboretum.

Amaryllis

The treatment of hippeastrums, commonly referred to as amaryllises has so often been reviewed in the horticultural press with skill and amplitude of detail for the benefit of those interested as well as those desirous of becoming interested, that it may seem out of place here to refer to any particular phase of their management. Nevertheless there are always belated parties, or new comers, that desire to read it all over again. This is as true of other plants as of the one in question. If it was not so, how could the writers on specific horticultural subjects go over the same ground so often with any degree of profit to others, or pleasure to themselves!

The writer thinks that the rocks that often dash the hopes of a would-be winner with these plants, lie around the period immediately after flowering. Many, if not most persons handling hippeastrums imagine that when they have flowered they can put them aside any old way as if their cycle of growth for the season had been completed. But in fact it has only begun, for it is after the flowering period that the real growth of recuperation and preparedness for another successful flowering season takes place. Hence the absolute necessity of treating them right generously after the flowering period, by copious watering at root and syringing overhead in bright and dry weather. Stimulants are in order during the growing season, once a week, and according to the vigor and amplitude of foliage shown by each individual plant. In this respect they may be classed with the so-called gross feeders. Keep this treatment up to the latter end of September when a course of a gradual drying off should be pursued to get them to the proper degree of ripeness. Afterwards they may be stored away until wanted, in a semi-warm and not over-dry place; that is, that the atmosphere surrounding them while thus at rest should not be so dry as to affect the plumpness of the bulbs.

Hippeastrums should not be forced in a too high or stuffy temperature, to obtain best and most durable quality of flowers. Fifty-five degrees at starting, with a raise to 60 degrees a little before the scapes are fully developed, reduced again 5 or more degrees when in actual flower, to impart sturdiness and stability is advisable.

H. Finlayson

Fruit and Vegetables under Glass

SPIDER ON PEACH TREES

This is not an uncommon occurrence but up to the time of the fruit ripening there is no excuse for having it there. Early forced houses where lots of fire heat is required to keep up a suitable temperature are more susceptible to a raid from this pest than later ones. Even then there should be no trace of this mite's ravages. The foliage of the peach and nectarine will stand any amount of pressure and this should be brought to play on the under sides of the leaves, starting the stroke from the center of the tree and pushing out to the extreme ends. It has to be real bad weather if trees cannot be syringed in a morning, so long as the foliage is dry by three o'clock during the winter months and at this time of year six o'clock will not be too late; the tree will be benefited by a sharp syringe. I do not mean to say it is advisable to syringe when it is raining or

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snowing, but a little adverse weather should not stop the use of the hose altogether. Here is where the advantage of planting trees on trellises which run across the house shows itself superior to having them up near the glass. You can get at both sides of the tree and syringe more thoroughly. If red spider has shown its presence the only way is to take more time and give the affected parts an extra good doing on several consecutive days.

When the fruits commence to ripen and a dryer atmosphere has to be kept, we are sometimes unable to avoid a slight attack. This can soon be remedied when the fruits are cleared—resort to the water pressure twice a day and if trees are very dirty from this or other pests, it will be advisable to spray them over twice a week with some approved insecticide. Do not neglect a house as soon as the crop is off but continue to keep the trees in a healthy state by proper watering and syringing.

PACKING MELONS

This is a simple matter with suitable boxes and packing material at hand. A few specially made boxes will last for years and will always be found handy. A quantity can be packed in one large box, but it is better to use smaller boxes and have a division in them, so that each fruit can be packed by itself. A useful size is 20 x 10 x 10 having a sliding lid which saves continual nailing. These can be made strong enough to stand the strain of express work or enclosed in trunks or rough boxes. The outer parts of boxes can be lined with excelsior, using thick cotton wool near the fruit. See that the fruit is held firm in position by the packing and, like all other things, they are best on the hard side when being shipped.

KEEPING GRAPES

Keeping grapes at this time of year is often a difficult task. In the first place varieties which are ripening now will not possess any great keeping merits. The warm weather, too, is all against them. Later in the fall, bottling can be resorted to but along now it is not advisable to adopt this method. If the finest flavor is to be retained, they are best left to hang on the rods. Shade the house and keep as cool as possible; do not spray any water about and keep the border in a moderate condition. Should it be too wet, berries will be liable to crack. It will be wise to look through bunches occasionally and remove any useless berries. During wet weather or should the air become very humid, a little heat should be run in to dry up the atmosphere. Moisture condensing on the berries is very harmful. On the first signs of any shriveling they must be used at once.

MIXED ORCHARD HOUSE

The mixed orchard house will have plums, cherries, peaches, nectarines, apples, pears, etc., all swelling fast and any weak growths carrying heavy fruit should be supported. After stoning is completed zinc rims should be placed on the pots and a top dressing of half-decayed cow manure applied. As this wears out quick-acting manures can be given in the water. Syringe thoroughly until signs of ripening are visible when water must be withheld from the fruit and feeding must also cease. Continue to give plenty of water at the roots and damp the house around occasionally. Stop growths of trees grown on the spur system at four leaves and peaches and nectarines, etc., after making twelve or fourteen inches growth. When coloring commences any leaves which are covering a fruit can be tied back to allow some sun to shine on it and bring out the "rosy cheeks."

Green fly must still be looked for and periodical fumigations will be necessary to keep it down. Leave as much air as possible on at night and maintain a temperature of 60 degrees.

SCORCHING, SCALDING AND MILDEW ON GRAPES

These are all preventable evils and can generally be traced to neglect in ventilation and irregular temperatures. In each case where one has been visited by either of these unwelcome guests the damage is usually irreparable. Scorching is more prevalent when the growths are young and very tender than later on. A sudden sunny day after a cloudy spell will sometimes scorch a few young tips. On such a day ventilation must be applied most judiciously; an extreme either way will tax the tender foliage to its utmost. Not enough air will cause the house to run up and a sudden high temperature with the sun shining will cause a burn, while too much air to cause a draught simply takes all the life out of the tender foliage.

Scalding is more prevalent on delicate skinned varieties than on their coarser-skinned fellows and is usually caused by the direct rays of the sun striking the berries. It is natural for the bunches to be shaded by their foliage and if this is so scarce shade must be given them. Muscat of Alexandria and other thin-skinned varieties are better with a light shade put on the glass as soon as the berries are thinned and the sun gets strong.

Mildew is contracted very easily by irregular ventilation and night temperatures. Guard against draughts but do not "coddle." Air will strengthen the foliage and make it better able to resist an attack. If coddled up the first attack cannot be resisted and the chances are that the disease spreads. Whenever the weather permits leave a crack of air on all fruit houses every night, taking care that it is to leeward, and is changed by the night man should the wind change. If taken in time mildew can be killed by putting moist sulphur on the steam pipe or if hot water system is used the pipes must be made hot previous to putting the sulphur on. The fumes which arise from this are death to mildew spores, without injury to the vines. If allowed to get ahead on the berries it will mark them, causing the affected spot to harden, which will probably crack later on. Careful ventilation is the key to keeping these enemies away.

"Prevention is better than cure."

George H. Penson

Mr. Penson's next notes will be on the following: Young Vines; Shade for Vines; Finished Peach Houses; Mealy Bug on Vines; Grapes Shaking.

Cattleya Mossiae

Our cover illustration shows a magnificent specimen of *Cattleya Mossiae*, well-grown and splendidly flowered in a 12-inch basket, by Anton Bauer, gardener to Mr. Henry Goldman at Deal Beach, N. J. The plant was exhibited with sixty-six open flowers at the April meeting of the Horticultural Society of New York and was there awarded a silver medal. It came in an importation by Joseph Manda two years ago.

Seasonable Notes on Culture of Florists' Stock

ANTIRRHINUMS FOR NEXT WINTER

It is time now to put in cuttings to secure nice young stock for benching in August or September to flower during early winter. Don't let them become potbound before they are planted out, but shift even into 4 or 5-inch pots. When these plants are produced by seed they should be sown any time from now up to 10th of June for winter blooming. These would begin to flower in December. Prick them out into flats when large enough and then pot off into 2½-inch. When these pots are filled with roots shift so as not to allow them to become too potbound. It is better not to pinch until the stem has reached a medium height, as you then will get better breaks. It is very important not to let green-fly get a foothold or your plants will get stunted. Fumigate moderately and often. Place them in a cold frame and grow along, giving attention to watering, etc.

CINERARIAS FOR CHRISTMAS

Seeds of *Cineraria hybrida* should be sown within the next two weeks if you want good strong flowering plants for the winter holidays. Get fresh seed of the best strains and sow in pans on a mixture of leaf mold two parts, soil one part, intermixed with enough of clean sharp sand to make the whole porous. Cover the seed thinly with finely sifted compost of the above mixture and water so as to moisten the soil. Cover with a pane of glass and lay some papers over these to keep them shaded until they germinate. A cold frame is the most suitable place for these plants. When the seedlings are up lay off the sashes, during good days, but replace them when heavy rains come, leaving on a few inches of air as they must not be coddled at any stage of their growth. When the seedlings have made their third leaf they can be pricked out into flats, and when they begin to crowd one another in these flats they should be potted up into small pots. When these pots are filled with roots they should have several shifts into larger pots either 5, 6 or 7-inch. Have sash conveniently near to protect them from heavy rains. They should have movable screens placed over them from 9 A. M. until 3 P. M. to moderate the fierce sun heat.

CALLAS

The season for callas is practically over. While a few growers may market flowers later they are really not wanted after the end of May. The foliage will by this time show signs of ripening up, but don't start to dry your plants off too suddenly for it is unwise. Place them outdoors where they will get the moisture during the night for a couple of weeks; after this they can be laid on their sides and kept there until August when they should be repotted. Where the plants have been grown in beds they should be dried out gradually and then dug up carefully placing them close together in boxes, filling in the spaces with soil. They should be kept under glass for a week and syringed over-head so as not to dry them off too suddenly for that will injure the tubers. Then place in a frame until the tops disappear, but during wet weather keep the sash on. When the tops have died down they can be put in dry sand and stored in your shed. All the small offsets can be planted out in the open ground and by fall will make fair-sized tubers.

CYCAS

Now that the dried stems of cycas are here you can

start some by putting them in as small pots as possible, using a compost of turfy soil three parts, leaf mold and sand one part, and about a fourth of well-rotted cow manure. Place in a house where there is a brisk bottom heat, even if you have to plunge them in hot manure to supply it. See that they are freely syringed two or three times daily. In the course of time they will produce a whorl of leaves, and, in their period of summer growth they should have a partial shade of some kind during the hot part of the day, but during early morning and late afternoon the sunshine will insure a more vigorous and stocky growth that will later on put them in shape to stand full sun.

MILTONIAS

When cultivated under proper condition these orchids make a beautiful show especially *Miltonia vexillaria*, which is one of the most valuable for summer flowering. As these orchids go out of flower they should be repotted. A good potting material is osmunda fern fiber and sphagnum moss. After potting water should be supplied in very careful quantities, just enough to keep the compost moist. They should be supplied with more shade for at least five weeks, after which they should have plenty of diffused sunlight through either lath or bamboo shading. They should be grown in an airy house. Do not allow a direct draught to strike them, but keep as free a circulation of pure air as possible. Keep a sharp look out for thrips and pay strict attention generally to cleanliness, for at this season thrips do increase at an alarming rate. Give a slight fumigation once a week and during their growth give them occasionally a dose of weak liquid cow manure.

ROSES

From now on the rose growers' whole time will be taken up practically in preparing for another season. See that all your compost heaps are given a good turning over as the soil will be in better condition for planting. When the old soil is removed from the benches, and any needed repairs may be done, give your houses a thorough washing down of the walls, glass, and benches as there is always an accumulation of dirt and scum from the last year. Give all wooden benches a good coating of hot lime to destroy any insects, and also as a preservative for the wood. Make your house more comfortable to work in by giving a shade of whitening and water; the first rain will remove it. When filling your benches see that the edges are well packed and the beds leveled off nicely. Set Bride and Bridesmaid about 15 to 16 inches apart and Richmond and Killarney 14 to 15 inches as these latter produce but little blind wood. American Beauty should have from 17 to 19 inches. Before planting see that balls are nice and moist for it never pays to plant a dry rose. Give the soil around the ball a good firming leaving a small depression around the plants to hold the water. After planting give a good soaking around the ball of the plant and syringe frequently during favorable weather. When the weather permits keep the ventilators open full during the day, and leave air on all night; this will make the plants sturdy. When cool enough fumigate regularly for green fly.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Allamandas; Geraniums; Growing Carnations Indoors; Planting Out Gardenias; Single Stem Chrysanthemums; Summer Care of Primulas.

HORTICULTURE

VOL. XIII

MAY 20, 1911

NO. 20

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Flower Show in Boston which at least two of them have mildly criticised. One avers that, of course, the affair was not comparable to the Temple Shows in London and the other records his opinion that the exhibitors at the Boston show have yet much to learn in respect to staging and arrangement. We shall not attempt to refute this latter intimation for we know it to be true but would respectfully remind our British friends that there is no particular advantage in the "pot calling the kettle black" and we should like their opinion as to where this needed learning may be acquired. Having never yet had the pleasure of visiting a show across the water we do not feel justified in making any comparisons but would say that we did take opportunity to bring the matter to the attention of certain of our British-American neighbors who know all about the Temple shows and they just laughed and made some pertinent remarks about the pronounced self-conceit afflicting some of their countrymen!

Much uneasiness is felt over a large section of this country as regards the effect of the continued lack of rain. In suburban districts around Boston garden material is

stunted, lawns parched up and forlorn and many trees seem unable to develop their newly opened foliage to more than half size. Many evergreens of unquestioned hardiness are dead—winter killed, doubtless, because of insufficient moisture last fall rather than because of any unusual winter severity. We have seen the same conditions in New Jersey during a recent visit there and elsewhere. Seed of many vegetables planted in the field at usual time has either failed to germinate or has died out soon after sprouting. At the same time, hot, cloudless weather has brought vegetation forward so rapidly that the three weeks' backwardness noted at end of April has been caught up and spring flowering trees and shrubbery are blooming at normal date. The nursery trade has been placed at a great disadvantage, first by the abbreviated season, and secondly by the parched condition of the soil, which makes planting operations precarious. All are praying for rain and lots of it.

A speaker at a dinner recently given by a club of advertising agents declared that "selling is more difficult than manufacturing." This is, of course, a very

broad statement and would not be accurate in all cases, yet as a general proposition it is undoubtedly true that successful salesmanship calls for qualities in no way inferior to those that go to make for success in producing the commodity to be sold. The salesman's great study must be his fellow man. As he is proficient in mind reading, resourceful in strategy, convincing in argument, and shrewd in reasoning out probabilities, just to that extent will he make his mark. As applied to the flower trade this is a favorite topic with us, as our frequently recurring editorial notes on various phases of the subject attest. Seldom do we see a more interesting and convincing exhibition of a man "up against the real thing" than that of a grower in periods of over-production trying to negotiate a sale to the wily manipulators that congregate about the wholesale marts at such times—as much out of his element as these artful dodgers would be if given a job at growing the goods. We heard recently of one large rose grower who, visiting the wholesale district of New York, declared that this would be his last appearance in the neighborhood until the close of the season. We don't blame him.

"As others
see us"

We read with some interest the published notes on the reminiscences and impressions of our recent English visitors, particularly their estimate of the National

MENDEL'S LAW AS RELATED TO HEREDITY AND BREEDING.

By Dr. Herrmann Decker. Translated from
"Cosmos" by Gustave Thommen.

IV.

So far, we have been considering only one character at a time, in our crosses. Now we will observe two different ones at the same time. While observing the working of heredity in regard to height of plants, we will now observe how the *color* of the seed will be affected when, for instance, we cross peas again.

If the color of the seed "mendels," then it must do so in conformity to our law. And so it does, but the thing now becomes more complicated. Let us take a tall sort of peas, having green seed, and cross it with a dwarf one, having yellow seed. Our object is to get a new sort, it to be dwarf and having green seed coming true from seed. We cross-fertilize, harvest and sow the seed again. What we do get is just the opposite from what we want; these bastards of the first generation are all tall and yellow-seeded. We might think that we had failed and probably would now do the most foolish thing, by giving up further trials, so as not to waste any more valuable time. Very likely we would pull up the plants and be done with the useless "bastards." Of course, this would be wrong, for, if we consider the result thus far, we should be glad, because, according to Mendel's law, our wished for new sort **MUST** present itself already in the next generation, and, what is more, *must be pure and true to type in the seed of the following generations*. There will be no need of "breeding up the type" for a number of years, as heretofore.

The result of our cross: All tall and yellow-seeded, shows, that of the two opposing characters, tallness, has suppressed dwarfness and the yellow of the seed has suppressed the green. If we now sow these yellow seeds, (in the constitution of which the dispositions for dwarfness and for green are still present) then we will get $\frac{3}{4}$ tall and $\frac{1}{4}$ dwarf, also $\frac{3}{4}$ yellow-seeded and $\frac{1}{4}$ green-seeded. Among every sixteen of the plants there will be twelve tall and four dwarf and among the twelve tall ones, nine will be yellow-seeded and three green-seeded; among the four dwarfs we will have three with yellow and one with green seed.

This means that among each sixteen of the offspring there will appear without fail, one plant which is dwarf and has green seed—and this plant will again produce seed that comes true and so we have the sort we had been anxious to get: *Dwarf with green seed*.

While formerly, breeders, crossing at random, often had to wait years to get the expected results, it is now possible to realize a wanted object in the second generation with all the positiveness of success. One thing the breeder must always keep in mind, he must remember that the seeds which he gathers after crossing, may, and most always will look just alike, (in the above case, yellow), but internally they are not so. He must sow each of these seeds by itself.

Another example: Crossing the tomato "Fireball" red, with the yellow "Queen," gave in the first generation, fruit which resembled Fireball in color. This is easily explained by the predominancy of the red color. More aston-

POLYPODIUM GLAUCUM CRISTATUM.



Courtesy of H. A. Dreer

This elegant new fern is well worthy of a place in every collection. It is entirely distinct and grows into a fine specimen plant, with fronds about 2 ft.

ishing is the result in the second generation. Here are two new colors, beside the red and the yellow we find crimson and orange. How comes this about? We can explain it if we take into account the fact that the red of the Fireball is a combination of yellow in the skin and the red of the meat of Fireball, while the Queen looks yellow, because its skin is without color and the yellow meat shows through it. So here is "mendeling" of two characters: First, of the *red* and of the yellow color of the meat, second, of the *yellow* and of the colorless skin. Because the first mentioned characters suppressed the others there could be, in the first generation, no other fruit than: with yellow skin and red meat, all resembling Fireball. Of *external resemblance* but *interiorly different*, because, in each fruit, two characters have been suppressed: the colorless-transparent skin and the yellow meat of the Queen. But already in the next generation the suppressed characters come again. For, when in fertilization, the different characters contained in the gametes meet each other and form all of the possible sixteen combinations, then there must be also such of those, in which the predominant characters are not present and where the suppressed characters have a chance to show themselves.

This is why in crossing the two sorts of tomatoes, two new sorts appear in the second generation—of course as pure and impure specimens. Understanding this, then it is easy to separate the pure and the impure, after having sowed the seeds separately. The above mentioned facts were not understood before Mendel's law had been discovered and breeders would waste years and years trying to get a new sort and then getting it true to

high. The fronds are glaucous metallic blue in color and as the picture shows, the edges of the pinnae are gracefully waved and crisped.

seed, while that very sort always existed already in the second generation. But not realizing that the first bastards look alike, *externally*, but are of different dispositions, *internally*, breeders would cross and recross the pure with the impure, unintentionally and unknowingly. If in the end the looked-for object did present itself, after the correct combination had been accidentally stumbled upon then the breeder would claim the credit for "having spent years in breeding up to type."

One of the most beautiful examples, where "mendeling" takes place in two pairs of characters at the same time, has been shown by Correns, with corn. This case is so much more interesting because it shows that it is not necessary to wait for the new plants at all; the proof of "mendeling" can in this instance be seen in the seed on the ear of corn.

Crossing a blue corn with a yellow gives at once an ear of all blue kernels. This is because blue predominates and at fertilization alters the substance of nutrition (the endosperm). This is *one* character. (Nawashin and Guignard have demonstrated the above fact.) But in crossing Zea Mays coeruleo dulcis, which has blue wrinkled kernels with Zea alba, which has white smooth kernels, we get in the first generation, ears with all the kernels smooth and blue. These are impure of course and, crossed among themselves, bring in the second generation ears with kernels among each sixteen of which we find $\frac{3}{4}$ blue and $\frac{1}{4}$ white—that is twelve blue and four white, but also $\frac{3}{4}$ smooth and $\frac{1}{4}$ wrinkled, a total of nine blue-smooth, three white-smooth, three blue-wrinkled and one white-wrinkled. This is a beautiful, practical demonstration of

Mendel's law, the theory of which would call for just this result.

Crossing parents which are different in three characters each, makes the thing more complicated still, as the three pairs of character dispositions form eight different sorts of germ cells and these, crossed among themselves, extend the number of possibilities to 64. Among the offsprings of any such crossings, there will naturally be many sorts which would be classed as novelties. Self-evidently they are not really *new* animals or plants; they represent only new arrangement or grouping of characters which had existed before. The breeder can not produce any animal or plant which is really new; he can only combine or rearrange certain observed and differing characteristics and qualities, so that they will reappear in the offspring in such combinations as to meet his desires and expectations. Working in accordance with Mendel's law, he can moreover establish the permanency of many sorts in the shortest time. Any seed or plant catalog will convince us that no new plants are ever produced. In all these highly praised new creations we only find a monotonous repetition of well-known characters and qualities, combined in a way not before seen.

(To be continued.)

FEDERAL NURSERY INSPECTION BILL.

Representative Jas. S. Simmons, of Niagara Falls, N. Y., has introduced in Congress a bill "to regulate the importation and interstate transportation of nursery stock, to enable the Secretary of Agriculture to establish and maintain quarantine districts for plant diseases and insect pests, to permit and regulate the movement of fruits, plants, and vegetables therefrom, and for other purposes."

This bill forbids anyone to import or offer for entry into the United States from any foreign country any nursery stock unless and until a permit shall have been issued therefor by the Secretary of Agriculture, and unless such nursery stock shall be accompanied by a certificate of inspection from the proper official of the country from which the importation is made to the effect that the stock has been inspected and found free from injurious plant diseases and insect pests.

Section 7 authorizes the Secretary of Agriculture and directs him to quarantine any state or territory of the District of Columbia, or any portion of them, when he shall determine that a dangerous plant disease or insect infestation exists there, and to give notice of such quarantine to common carriers passing through such quarantined areas, and to publish in such newspapers in the infested areas as he may select notice of the establishment of quarantine, and it is forbidden to ship or offer for shipment goods from the quarantined areas into any other states or territories except in manner prescribed by the Secretary of Agriculture.

Nursery stock is defined as including field grown florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, fruit pits, or seeds of fruit, and ornamental trees or shrubs.

THE PAEONY.

A Paper read before the Gardeners' and Florists' Club of Boston by E. J. Shaylor.

This is to be just a little talk to the gardeners of this club on growing paeonies and to the florists on some of the good varieties to grow for cutting blooms. It is to be a plain talk among ourselves on a few things I have run up against in my work. In ten years of careful labor in growing paeonies, there has been gained some interesting knowledge, and I will try to tell you about it in a plain unvarnished way.

The Paeony's Medicinal Virtues.

The paeony is a native of cold countries mostly, and is hardy. The ancients used both the roots and the seeds in a medicinal way. It is related that in the Trojan war one Paeon used the roots to heal the sick and the wounded. His name was spelled Pa-e-o-n, and from him the name was derived. It was done to perpetuate his name for his success. In my childhood about sixty years ago, I remember vaguely that some of our neighbors obtained some roots to be steeped for medicine, so its use for such purposes came nearly down to the present. The roots dried were worn also about the neck to ward off disease. The seeds were taken inwardly to shoo away the nightmare. We all know a head gardener of Wellesley who having a workman complaining of malaria took from his pocket some paeony seeds, and handing them to him in a joking way said, "Here, Tim, here are some pills; try them and maybe they will help you." Sure enough Tim took them regularly for a few days, until the head gardener thought the joke had gone far enough, and then he asked him how he was. Tim said he was better and gave the pills credit. Then the head gardener told him what they were. To the ancients it was dead earnest and no joke. They were cured no doubt by faith—a thing which in our day has been capitalized as a huge dividend-paying religion.

Planting and Soil.

The planting of paeonies should be done with care. It is not enough to simply dig a hole and put them in. Trench the ground deep and work in old manure. It does good to mix in some bone meal or wood ashes or a potato fertilizer strong in potash. The most successful field planting I ever made was done in this way. The patch was new ground which had been grubbed over in summer. In September, furrows were dug the depth of 12 or 14 inches and the loam piled along the row in a ridge. In the bottom of the trench old manure was put in and chopped into the soil with the spade. On the ridge of loam that lay along the trench we scattered some air-slacked lime and some potato fertilizer. As the roots were set this loam was filled in, and that mixed the lime and the fertilizer well with the soil. The next spring when the plants were just coming up, bone meal was scattered along one side of the row, and some of the same kind of potato fertilizer along the other side, and these were cultivated in with a wheel hand cultivator. This planting gave the best results, both

in blooms and roots that I ever grew. Never use any fresh manure. One year I made a mistake and set some rows of paeonies so that the rows ran through the place where a pile of manure had lain for six months. They were set in the fall. The next spring I noticed at once that the paeonies where the manure pile had lain were in trouble. I took them up and scrubbed them off in a tub of water. The strong soil was eating them up. They were set out in another place and I saved most of them. I have no doubt that if they had been left where they were, they would all have been lost. Be sure that your place drains good. If soil sours or becomes soggy, goodbye to your roots. I don't know why, only I know that it will either kill them outright or make them worthless. After they are set out good—don't forget that you must agitate the hoe about them quite often.

Insects.

Insects trouble them some. The cut worm likes them for breakfast, dinner and supper, and for lunch between meals. I have had letters asking "What shall I do to keep the ants off the Paeony beds?" My answer is "Nothing." The sap that is in the stalk is like a sweet syrup and it exudes at the top. The ants only drink that. I presume the stalk being sweet is why the cut worm is so partial to them. The rose bug comes about the time paeonies are ending and they eat the petals of the blooms. Generally paeonies are over before they come in numbers sufficient to do much harm.

Diseases.

Paeonies have been considered as IRON CLAD, but my experience is that they have their chills same as I do. The black rot gets in and eats away the roots. Air-slacked lime is the best remedy I have found. Dig away the loam and put some in and put back fresh loam. If you can move them to a new place, then cut the rot away and dust the roots with lime and reset. I think this is caused some by their being set in all shade, and dampness does it. If your place is shady, then set the roots four feet apart so the air can circulate freely about them. I do not recommend to set paeonies in all shade—they should have half sun any way. There is also the club foot or knotty root which affects paeony roots. I have not been able to master this. Roots have been sent to Prof. Bessee, Miami, Florida, one of the best government experts, to Amherst in our own state, and to Prof. Whitzel at Cornell, and I have not had any help from any of them. Prof. Bessee advised soaking the roots in a solution of formalin. This I did but it did not help me any. I wrote A. Dessert, and he said he had some of those affected roots from the same source which mine came from, "since ten years and they had never bloomed," and he considered them lost. I got out of patience with mine and after keeping them five years I threw most of them in the dump. I am not sure but there is a blight that hits the leaf and stem and causes the root to rot, something in the nature of the potato blight. Some few roots seem to be affected in this way. I have never been troubled

PHALAENOPSIS RIMESTADIANA.



This is one of the richest and most impressive of the Phalaenopses. It is listed by Roehrs, who grows it in quantity, as a geographical form of *P.*

amabilis, from Java, flowers pure white and much larger than amabilis. It is a spring bloomer and a house of it in flower is a sight not to be for-

gotten. In the cut flower market there is almost no limit to the uses and demand for pure white orchid blooms and this Phalaenopsis has few rivals.

with it only in a small way, and have paid no attention to it. It could no doubt be controlled by spraying with Bordeaux mixture. Where the buds blight, it is well to cut them off and burn them up. The stem wilt is a fungus blight, but it does not live over winter. Plants affected one year may be unaffected the next.

Paeonies which are called Japanese paeonies, or Imperial paeonies by the Englishmen, have their ups and downs. They seem to go all to pieces some years and do nothing at all for a year or two. They do not seem to be of good constitution. These kind of paeonies grown from seed here in America may be more vigorous. There are some other of the regular paeony roots which go to pieces also when they are divided. They are weak. Most of Richardson's seedlings do not recover after division for three or four years. I only have a few of these varieties that I can count on for sure. These are Harry Woodward or Grandiflora as I think it was originally named—*Rubra Superba*—and Milton Hill. All my English Imperial paeonies went to pieces after division, and lots of the others.

Cutting the Flowers.

There are many positions in which paeonies can be planted to be effective. Their blooms are large and their colors carry well long distances. As hedges, I would use solid colors. For borders and beds use mixed colors. Borders and beds are best used where one wants to cut flowers for the indoor rooms. The sun fades the flowers out very quickly. The most chaste and delicate colors will

change in a forenoon in the sun. To get these fresh and delicate colors for your vases indoors, I advise cutting when the buds are only half-open and putting down cellar—then when they are brought up they will quickly open retaining all their beautiful colors and fragrance.

Raising From Seed.

To grow from seed is interesting. Gather the seed as the pods open in August and September, and sow the seed at once. I sow in drills about as you would peas. Some come up the first year—some in two years and some not until three years after planting. After they have grown a year in these rows I transplant and give room to leave them in one place until they bloom so you can see which ones to try out. These are taken out and put into the trial grounds where they will not have to be moved for three or four years. No one can tell what a paeony will amount to until it has been set about three years and got established. The first blooms will be imperfect. Sometimes they will be single but show signs of coming double. The stamens will be turning to petals and next year they may become doubles. One writer says they wobble—but this is only true in that the form changes. The color is the same at the very start. Don't name them when they first bloom. Try them out three or four years first. You cannot grow paeonies from seed with any satisfactory success unless you are possessed with lots of patience.

Good Varieties for Cutting.

Now a word to the florists. There

are about a half dozen whites on which you can count for money making blooms. They will give you blooms that are choice and will always go when any paeonies go. *Festiva Maxima*, *Mme. de Verneville*, *Baroness Schroeder*, *Marie Lemoine*, *Eugenie Verdier* and *Harry Woodward*. These run early, medium, late and very late. There are lots of pinks. The first pinks for me with flowers for weddings come from *Umbelotta Rosea* or *Sarah Bernhardt* (Dessert) as it was first called; *Edithe Lyttleton* and *Polyphemus*. These were all two days ahead of *Edulis Superba*,—in fact they were the first flowers in all the grounds for sale. I could not give a list of all the pinks which would be good for florists' use. There are many and all shades. In reds or crimsons there is not much to choose from. To get best blooms, disbud. Some only set the terminal, others many buds. In cutting paeonies, it is best not to cut more than half the foliage away. I mean if a clump has twenty stalks and all the stalks have blooms, I would not cut more than ten stalks. Do not cut the stems down close. Leave at least one leaf stem on the stalk. It is really better to leave two where you can. Some have ruined their roots by cutting all the stalks and also cutting close. That is the way to kill anything by cutting it down when in full leaf. It is of more importance to keep your roots vigorous and growing than to sell everything out one year and ruining your roots. If your customers insist on long stems or nothing, then sell them the clumps, by charging what they

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We cater to that sort of trade and have made all preparations so that we are again ready for you as in the years past.

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Early Flower Orders Shipped Direct from Greenhouses Without Handling or Repacking. It will be a Big Day, Busy and Profitable for you if you want to make it so. Send for Price List. Tell us what you want and quotations will be sent promptly.

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are worth added to the cost of the flowers.

I have not told you anything of the new and superb varieties that are to be had in paeonies. Each year brings out new ones. Some of them are without any doubt acquisitions to the existing varieties. Their story is one by itself which I will leave for another day.

After your clumps become old and the blooms seem to be smaller, it is best to feed them liberally each spring by digging in bone meal about the roots. A good potato fertilizer which runs 4-6-10 is also good. If they do not then grow good blooms I would divide them and set them in a new place. This is advisable anyway after they have been set eight or ten years.

You will all find that in growing anything good it will take your best care and thought. It is not easy and you must not think of it only in the light that to do anything that is a credit to you takes great pains. What I have said to you has been gained by practice, not observation. I tell this to you to help you, to spur you on to do your best with these noble flowers. To grow them fine is grand work, but to tell others how to do it is grander and not half so much trouble.

Need I tell you that my work is interesting? I am often in my field when the newborn day stands tiptoe in the misty east. The unfolding of each new seedling keeps me in impatience until I see the enchantment either in its beauty or its lack. How can any lover of nature but go to such work with delight?

BRITISH HORTICULTURE.

The National Gladiolus Society.

This recently formed Society proposes to hold two annual shows, the first show to take place in London, on July 18, in conjunction with the Royal Horticultural Society's exhibition. The council will meet during the flowering season for the purpose of granting certificates to meritorious new varieties. A handbook is to be compiled, giving full information respecting the culture of the gladiolus, with a classified list of named varieties. It has been decided to have a trial ground at Locksheath, near Southampton. The new organization has been affiliated to the Royal Horticultural Society.

Rosarians in Conference.

The National Rose Society recently entered on a new departure in holding a conference of members. The Rev. J. H. Pemberton, the President, opened the proceedings with a well informed and interesting address on "Roses for the Garden."

Jottings.

The National Primula and Auricula Society held its competitive spring classes at Royal Horticultural Hall, on April 25, when a varied and attractive display was made.—The wearing of roses on St. George's Day gave a filip to this branch of floriculture. Nurserymen found an excellent demand, remunerative prices prevailing.—On April 27th, a deputation from the Gardeners' Company, one of the city guilds, journeyed from London to pay a visit of inspection to the chief Dutch bulb farms. The party travelled to the

Hook, and on arrival there journeyed in motors to Leiden, subsequently seeing some of the largest bulb farms.—The North of England Horticultural Society has lately brought out the first number of its monthly magazine.—The twelfth report of the Woburn Experimental Fruit Farm comprises an account of an interesting series of researches on the silver leaf disease of fruit trees. Exhaustive experiments on preventive measures, unfortunately, have not led to any definite result.

W. H. ADSETT.

SOME NEWS AND AN INVITATION.

After eight months calm and careful consideration, the postoffice department, through the Hon. Acting Third Assistant Postmaster General, has decided that this paper is not entitled to second-class rates.

We respectfully convey our compliments to the above named party and will be please go to the devil, we will pay third-class rates. We propose to "keep on keeping on" just the same.

From a reliable source we learn that Mr. W. A. Travers, acting third assistant postmaster general, has been indicted for selling certain rare stamps. We hope he gets all that is coming to him,—and then some.

The above from the Wisconsin Horticulture, the official organ of the Wisconsin State Horticultural Society, is pretty good evidence that when our Western friends get their mad up they are still able to say things with old-fashioned frontier bluntness. "Lay on, Macduff."

Fulton, Ill. Edward O. Hills, of Hills & Kirman, has decided to retire from the greenhouse business and has sold his interest to Mr. Kirman. The business will be continued under the name of John E. Kirman.



NEPHROLEPIS ROOSEVELT.

third to one-half wider than Boston and beautifully undulated, giving the whole plant a decided wavy effect, which attracts the eye instantly. Nephrolepis Roosevelt will make more young plants, produce a third more fronds, has more graceful drooping habit and will finish to a larger and finer plant in small pots than any other fern on the market. Our stock is positively free from that vicious little white scale which is causing fern growers so much trouble.

Orders received to June first will be booked at the following prices. Two and one-fourth inch pots, 40 cents each; \$3.50 per dozen; \$25.00 per hundred; \$200.00 per thousand. Twenty-five plants at hundred rate; 250 plants at thousand rate.

GOOD & REESE CO.
SPRINGFIELD, OHIO

**LARGEST ROSE
GROWERS IN
THE WORLD**

The Grandest Fern of the Age Nephrolepis Roosevelt

IMPORTANT SPECIAL NOTICE — PRICE ADVANCE.

The heavy demand from those who have seen Nephrolepis Roosevelt growing on our place and scarcity of stock compels us to advance the price on all orders dated after June first to the following. Two and one-fourth inch pots, 50 cents each; \$4.50 per dozen; \$35.00 per hundred; \$300.00 per thousand.

It is our belief the price of Nephrolepis Roosevelt for 1911 will be maintained during the season of 1912.

Nephrolepis Roosevelt is a sport from Nephrolepis Bostoniensis, but a wonderful improvement over the parent variety. The fronds of Roosevelt are from a tapered from base to tip. Each pinnae is distinctly undulated, giving the whole plant a decided wavy effect, which attracts the eye instantly. Nephrolepis Roosevelt will make more young plants, produce a third more fronds, has more graceful drooping habit and will finish to a larger and finer plant in small pots than any other fern on the market. Our stock is positively free from that vicious little white scale which is causing fern growers so much trouble.

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CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The monthly meeting of this club on the evening of May 16th was well attended, considering the busy time of the year. The attraction of the evening was the paper on "Peonies," and subsequent remarks by that witty and observant devotee of the peony, E. J. Shaylor, of Wellesley Hills, than whom there is nobody in this country better qualified to talk and instruct on the subject.

An invitation to visit the gladiolus fields of B. Hammond Tracy at Wenham in August was accepted. It was decided to have the usual summer picnic, date and place to be decided by the Executive Committee. An invitation to join in the outing of the North Shore Horticultural Society at West Manchester was accepted, date to be announced later. June meeting will be Ladies' Night. Four new members were admitted.

On the exhibition table were some choice orchids from W. A. Manda, in charge of Mr. Strange. Brasso-cattleya Veitchii was given honorable mention and a vote of thanks was accorded for the others. J. K. M. L. Farquhar showed flower stalks of two Chinese lilies, *L. myriophyllum* and *L. leucanthemum*, the former receiving a report of merit and the latter honorable mention. *Lilium myriophyllum* is as hardy as a *tigrinum*, deliciously scented and declared by E. H. Wilson, who collected this and half a dozen other new lilies for Messrs. Farquhar, to be the best of all lilies, especially for this climate. *L. leucanthemum* is

of the Brownii type, very robust, bearing bulbils in the axils of the leaves from which propagation is rapidly effected. The enormous flowers are creamy white with purplish shading on outside and overpoweringly fragrant.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

At the regular monthly meeting, Stamford, Conn., May 12th, seventy-five members were present and two life members, four honorary and fifteen active members were elected. Notably among the exhibits of the evening were calceolarias, by Jas. Stewart, new early flowering chrysanthemums by P. W. Popp, sweet peas by Adam Patterson, and vegetables by A. Peterson. The preliminary schedule of the fall show is going to press and copies will be mailed to all members. Others can secure by applying to J. B. McArdle, Secretary.

TUXEDO HORTICULTURAL SOCIETY.

The Tuxedo Horticultural Society held a monthly meeting on May 3rd. There was a very good gathering. Fred Barth was elected to membership. A discussion about transplanting dogwoods took place which brought out very interesting remarks. Most all members present believe in transplanting ordinary size of dogwood just about before they start to grow. A motion that the Society have a ball sometime in June was voted on and carried.

NEW JERSEY FLORICULTURAL SOCIETY.

Albert F. Larson tendered his resignation as president of the N. J. F. S., Friday evening, May 12th, at the regular monthly meeting. He has been head gardener for A. B. Jenkins, Llewellyn Park, for the past two years, where he has showed marked ability as a grower and has won a great many prizes at the flower shows. He leaves the O. ranges to take charge of the H. C. Phipps estate at Roslyn, L. I., June 1st. He has been a hard worker for the society and has been president for the past eighteen months, having been reelected for a second term. He has the good wishes of all the members of the society.

An exhibition of My Maryland and Killarney roses from the State Experiment Station, arrived too late for our meeting, but they were certainly well grown; stems three feet long. These roses were grown for two years on same soil without manure; chemical fertilizers used only. 580 rose plants; cost of fertilizer 20 cents per month, plants average five good flowers per crop. No resting; severe pruning.

Lager & Hurrell had a fine specimen of *Cattleya Mossiae* on exhibition with twenty flowers of a beautiful dark shade extra large, which they have named *Cattleya Mossiae Reidii*, after the secretary of the society. Joseph A. Manda showed an extra fine specimen of *Oncidium Marshallianum* and Thomas Jones *Dendrobium chrysotoxa* and *Cattleya Warneri* for which they received a certificate of merit.

The society will hold its annual rose

For Now and Memorial

NEW CROP DAGGER and FANCY FERNS, now ready, A No. 1 quality, \$2.00 per 1000. Order from the house that never disappoints.

BRILLIANT BRONZE and GREEN GALAX, very scarce, \$1.25 per 1000; \$9.00 per case of 10,000.

IMPORTED OAK LEAVES, \$2.00 per basket.

IMPORTED BRONZE and GREEN MAGNOLIA LEAVES, best quality, \$2.00 per basket.

IMMORTELLS, all colors, 15c. per bunch.

GREEN LEUCOTHOE SPRAYS, \$1.00 per 100; \$7.50 per 1000.

BOXWOOD, 18c. per lb. BOUQUET GREEN, 8c. per lb.

LAUREL WREATHS, extra fine, \$3.00 to \$4.00 per doz.

LAUREL FESTOONING, extra heavy, \$6.00 per 100 yds.

BRANCH LAUREL, 50c. per bundle.

SPHAGNUM MOSS, 50c. per bag; \$2.00 and \$4.50 per bale.

GREEN and VIOLET TIN FOIL, best quality, 17c. per lb.

PLAIN TIN FOIL, 9c. per lb.

All kinds of *crope* Waxed Flowers, extensively used for Memorial Day.

Satisfaction guaranteed. We can fill all orders; send them in. We can save you money on everything you buy in Florists' Supplies.

PLACE YOUR ORDERS NOW. SATISFACTION GUARANTEED.

HENRY M. ROBINSON & CO.,

15 PROVINCE ST.
9 AND 15 CHAPMAN PL.

BOSTON, MASS.

*Wholesale Commission Florists, Manufacturers and Importers of Florists' Supplies
Hardy Cut Evergreens*

show next meeting. A special prize has been donated for the best display of outdoor roses. Following are the awards for the evening:

Class A: Cattleya Mossiae Reidii, Lager & Hurrell, 98 points; Cattleya Warneri, Thomas Jones, 90; Oncidium Marshallianum, J. A. Manda, 95; Carnations, William Reid, 83; Roses, William Reid, 78; Roses, Frank Drews, 75; American Beauty, Frank Drews, 75.

Class B: Carnations, Max Schneider, 85 points; Gladiolus, Fritz Berglund, 93.

Exhibits not in competition: Sweet peas, Max Schneider, certificate of merit; Carnations, Max Schneider, cultural certificate; Orchids, Lager & Hurrell, certificate of merit; Orchids, Thomas Jones, certificate of merit.

The judges were Charles W. Ashmead, Geo. W. Strange and John Derivan. WILLIAM REID, Sec'y.

AMERICAN GLADIOLUS SOCIETY.

Species prizes to be offered at Baltimore, August, 1911.

Open Class.

Best and largest collection of blue shades in lots of 6 separate colors, not less than 25 spikes. Vaughan's Seed Store, silver cup.

Best 6 spikes any white variety. M. Crawford, 50 bulbs White Lady.

Best 12 varieties not now on the market. P. Henderson & Co., \$10.00.

Best collection, 10 varieties, 6 spikes each. W. Atlee Burpee & Co., \$10.00.

Best vase of 12 spikes, Golden Queen. E. E. Stewart, \$5.00.

Best vase of 12 spikes, Gladiolus Pres. Taft. E. E. Stewart, \$5.00.

Best vase new seedlings, not less than 25 varieties never before exhibited. B. F. White, \$5.00.

Best vase of 25 spikes of one white variety. E. H. Cushman, \$5.00.

For best vase of any named yellow variety. A. T. Boddington, \$5.00.

Best collection Childs varieties, 3 spikes each. John Lewis Childs, \$10.00.

Exhibit containing the largest number of standard named varieties, correctly labeled. Gardeners' Chronicle, challenge cup.

Best collection, 15 varieties, 3 spikes each. Stumpp & Walter, \$10.00.

Best table decorated with gladioli, table to be laid for 6 covers. B. Hammond Tracy, Silver and glass vase.

Best centre piece for dining table. N. L. Crawford, \$5.00.

Best 25 spikes of Kunderdi "Glory" exhibited in one vase. Henry F. Michell Co., silver cup.

Amateur Class.

Best display Princepine. W. E. Kirchoff Co., gold medal.

Best 6 named varieties, one spike each. Montague Chamberlain, silver cup.

Best vase of America, not less than 12 spikes. John Lewis Childs, \$5.00.

Best collection of yellow named varieties exhibited by an amateur. A. T. Boddington, \$5.00.

Best collection of Primulinus type and hybrids. J. M. Thorburn & Co., silver cup.

Best 6 varieties of blue gladioli exhibited in one vase. L. Merton Gage, \$5.00.

L. MERTON GAGE, Cor. Sec'y.

PENNSYLVANIA HORTICULTURAL SOCIETY AND AMERICAN PEONY SOCIETY.

Bertrand H. Farr, J. H. Humphreys, Ernest Heming, J. S. Hay and other representatives of the American Peony Society held a meeting in Horticultural Hall, Philadelphia, on the 16th inst., and fixed the date of the annual meeting and exhibition as June 14th and 15th (Wednesday and Thursday). The exhibition will be under the auspices of the Pennsylvania Horticultural Society—which will also hold its own peony show at the same time. The A. P. S. prize list comprises some 16 classes and aggregates about \$200 in prize money, besides valuable cups and medals. The schedule of prizes may be obtained by writing to J. H. Humphreys, Andorra Nurseries, Chestnut Hill, Philadelphia. All exhibits must be staged by 3 p. m. on the 14th. The date is a week or so later than suits the local growers, but it was thought wisest as it would enable some important exhibitors from more northern localities to send in their best varieties. The combined committee of the P. H. S. and Florists' Club held a meeting at same time and decided to take immediate steps to raise money to improve the fall exhibition in Horticultural Hall. They have it in mind also to endeavor to get the local trade interests to take a hand—this element, once so active, being for many years not a factor; and the loss of them is probably one of the main reasons for the low ebb in which the Society now finds itself. By the trade is meant the growers and dealers in flowers and plants, not the seedsmen. The latter have been loyal all through, and in fact have for many years furnished what little life was left by their liberal offers of prize money year after year until their special prizes finally came to be about all that was offered. When a horticultural society gets to that stage it is practically dead. It is high time something was being done to bring the P. H. S. to life again.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The regular monthly meeting of the above Society was held in Pembroke Hall, Glen Cove, N. Y., Wednesday evening, May 10th. Messrs. Holloway, Gray and Robinson were appointed judges and their decisions were as follows:

Society's prize, outdoor flowering shrub, 1st, A. McKenzie. Lettuce, 1st, J. W. Ev-

erett. Vase of sweet peas, certificate of culture to J. McDonald. Cucumbers, certificate of culture to J. W. Everett. Asparagus, certificate of culture to J. W. Everett. Stumpp & Walter prize for tulips, 1st, A. McKenzie; 2nd, E. Westlake.

The schedule for the show which is to be held on the night of the June meeting was read and approved, and Messrs. Duthie, Johnstone and Marshall were appointed as judges for that night.

Mr. Cliffe, superintendent at "Mendon," gave a very interesting talk on the "Cultivation of Grapes Under Glass," which were listened to with hearty appreciation.

E. WESTLAKE,
Cor. Sec'y.

ST. LOUIS FLORIST CLUB.

The Florist Club's twenty-fifth anniversary on June 28th, will be celebrated with a banquet at one of the leading hotels. It was so decided at the meeting of the club which was held on Thursday of last week. The club now has a membership of 90. The committee in charge of the celebration are Messrs. Guy, Bentzen, Ostertag, Schoenle and Chandler and the officers of the club.

The monthly meeting of the club was held Thursday afternoon, May 11. Owing to small attendance it was decided to lay over all important business matters until the June meeting.

CLUB AND SOCIETY NOTES.

The annual meeting of the Utica Florists' Club was held at Genesee Hall, May 4. The election of officers for the ensuing year resulted in F. J. Baker being chosen president; Harry Brant, vice president; Charles Seitzer, treasurer and J. C. Spencer, secretary. President Baker was elected to serve for the sixth term.

The members adopted a resolution of condolence to the bereaved families of the teachers killed or injured in the recent wreck at Martin's Creek, N. J. A discussion of the Arbor Day and Mothers' Day trade was held.

The New Bedford Horticultural society will hold a rose show in June. Mrs. Fay of Woods Hole has donated a sum of money to the society for the purpose of encouraging rose culture, and the committee has decided to use part of that sum in offering prizes to amateurs who exhibit at the coming show.

Six new members were admitted at the meeting of the Albany Florist club, May 4, in the Capital City club

Boddington's Bulb Bloom.

Save Money on Your Fall Bulbs—by Ordering NOW

Our Quality Bulbs are famous for results

Mr. Florist:—You can save money on the bulbs you expect to grow this Fall, if you order them now, instead of two or three months later.

We have bought heavily of the best bulbs procurable in Bermuda, Japan, Holland and French markets, and will, until July 1st, offer special inducements to encourage our customers to place their orders earlier than usual.

Send us a list showing the bulbs you wish to grow this Fall—Lilies, Tulips, Narcissi, Hyacinths, etc.—and we will make a special and confidential quotation on your order. Our regular Fall Catalogue will be ready in July, but the prices we will make you now will be at a large reduction, for the reasons stated above.

Write for "CONFIDENTIAL QUOTATION"—and write to-day. This offer is good only until July 1st, 1911.

Arthur T Boddington
Seedsmen 342 W 14th St
New York City, N.Y.

rooms. Most of the evening was devoted to a social session with refreshments in accordance with a plan discussed at the April meeting for the purpose of getting the members out in larger numbers. As a result there was a considerable increase in the attendance and a similar entertainment will be a feature of the meetings every other month. The social committee is considering the subject of an excursion down the river to be held during August.

That the strict laws for nurserymen in Idaho have had the effect of driving many of them out of business is evidenced from information obtained by State Horticulturalist McPherson. It is shown by the records of his office that 123 nurserymen previously did business in that state, where there are now 74 who have provided their bonds, while bonds for 13 nurserymen are still pending.

PERSONAL.

Oliver C. Scoville has been appointed foreman at Colt's Park, Hartford, Conn.

Bert Lucas succeeds August Lembke in the management of the greenhouses of B. Eldredge, Belvidere, Ill.

Ed. Buschle, who was formerly with the Tromeys Flower Shop, has accepted a position with C. E. Critchell, Cincinnati.

James Taplin has accepted the position of superintendent of the Rose Hill Nurseries (Siebrecht & Son), New Rochelle, N. Y.

A. K. Gardner of Rockland, Me., has been appointed State Horticulturist to succeed Prof. E. F. Hitchins now with the University of Maine.

George Batty, former proprietor of the H. C. Beebe & Co. greenhouses, Middletown, Conn., has given up the florist business and taken a position with the Hartford & New York Transportation Co. Henry J. Koehler has succeeded Mr. Batty.

Carl Melby, who has been with the Hoskin's Floral Company, Bismarck, N. D., the past year, has gone to Minneapolis to accept a position with Donaldson's floral department. He expects later to go to the Pacific coast to reside permanently.

S. S. Butterfield, representative of the American Florist in New York, has been dangerously ill in hospital at Brooklyn, N. Y., with septic poisoning of the throat. We are glad to state that prospects are now promising for his recovery but for a time the outlook was far from encouraging.

The wedding of Maurice L. Glass of A. Moltz & Co., New York wholesale florists, to Miss Rebecca Maltz at the Adas Ieshurun Ansche Synagogue, New York, on May 16th, was an elegant affair. The edifice was prettily decorated with a profusion of spring blossoms, smilax and palms and the music was fine as well as the sumptuous feast that followed at Loeber's.

David Welch, of the firm of Welch Brothers, Boston, is seriously ill at his home in Dorchester, Mass. He

has been in failing health for the past two months and the trouble has continued to defy the best efforts of his physicians. All our readers will surely join us in wishing a full and speedy recovery for this courteous and universally popular gentleman.

Timothy O'Connor, the well-known florist of Providence, R. I., and his wife celebrated the 50th anniversary of their wedding at their home, 87 Barnes street, on May 14, in the presence of a large number of relatives and a few intimate friends. They received many handsome presents. The evening was made thoroughly enjoyable by an impromptu program of entertainment which was followed by the serving of refreshments. Mr. and Mrs. O'Connor were married at the Immaculate Conception Church by Rev. Father Cooney a half-century ago, and they have lived in Providence continuously since that time. They have two sons, Timothy L. and William H., and one daughter, Mrs. M. Joseph McCarthy. These and a number of grandchildren were present. The singing of "Put On Your Old Gray Bonnet," by Frank O'Connor was an enjoyable feature of the entertainment.

Cincinnati Visitor—Mellon Alexander, representing Lion & Co., N. Y.

Boston visitors—Winfried Rolker, New York; E. J. Fancourt, of Pen-nock-Meehan Co., Phila., Pa.; G. W. Strange, representing W. A. Manda, So. Orange, N. J.

A. N. PIERSON, Inc.

CROMWELL, CONN.

COLEUS

Verschaffeltii, Firebrand, Golden Queen, Lord Palmerston, Queen Victoria, Beckwith's Gem, Golden Bedder, Hero, Messy.

A very fine assortment of twelve kinds not listed above.

All of the above out of 2¼-inch pots: \$2.50 per 100, \$20 per 1000.

AGERATUM

2¼-inch pots, \$2.50 per 100, \$20.00 per 1000.

SALVIA

S. Splendens, S. Bonfire, S. Zurich, S. Schenley, Boule de Feu. Out of 2½-inch pots, \$2.50 per 100, \$20.00 per 1000.

CANNAS

A very fine assortment of the best varieties, nice growing stock from 3-inch pots, of the following varieties:

Wyoming, Florence Vaughan, Gladiator, Pres. McKinley, Louisiana, Buttercup, Queen Charlotte.

From 3-inch pots, \$1.00 per dozen, \$6.00 per 100.

BEGONIAS

Glorie de Lorraine, ready now, 2¼-inch pots, \$12.00 per 100, \$110.00 per 1000. For prices on quantity write for quotations.

Begonia Prima Donna, fine pink flower, especially good for outdoor bedding, from 2-inch pots, \$4.00 per 100, \$35.00 per 1000; 2½-inch pots, \$5.00 per 100, \$45.00 per 1000; 3-inch pots, \$6.00 per 100, \$50.00 per 1000. Ready for immediate shipment.

GARDEN ROSES

Owing to the call for well established Roses from large pots that will be ready to give immediate results from garden planting, we have arranged to have ready for May delivery a fine assortment of the best varieties for the purpose.

Kaiserin Augusta Victoria, Richmond, Mrs. Aaron Ward, Killarney, Pink Cochet, White Cochet, White Killarney, Enchanter.

Prices: 50 cents each, \$5.00 per dozen, \$35.00 per 100.

CHICAGO NOTES.

Memorial Day Outlook.

Plants—This has been a rather poor season for bringing bedding plants to that stage of perfection so desirable for Memorial Day. Easter being late the houses were kept filled to the last minute and since then weather has been unfavorable till the past week, when summer suddenly burst upon us, and the thermometer stood in the 90's. A large proportion of the geranium stock will be in bud only, while the summer weather has greatly increased a premature demand for blooming stock for bedding out.

Cut Flowers—At this writing, May 15th, Chicago is suffering from a temperature that would try the endurance of the florists' stock in August. If it continues another week, roses and carnations will be in poor condition for Memorial Day and out-of-door stock will be gone. As it is lilacs will be gone, snowballs doubtful and philadelphus not in. Peonies are expected to be cut from the interior of the State if the warm weather continues and will play a big part in the coming holiday.

Growers' Exchange.

The Chicago Growers' Exchange took its place in the wholesale district and recorded its first sales May 16th, at 56 E. Randolph street, the remodelled and newly decorated stand of the old Flower Growers' Market which May 1st became a thing of the past. Kennicott Bros. Co., through their manager, E. E. Pieser is the organizer and N. Mueller will be in charge with Robert Gilpin book-

keeper. The growers will have an opportunity to sell their stock on the commission basis of 7½ per cent.

Among the Retailers.

All the windows of the retail florists are filled with spring flowers and give every indication that the florists' busy season is drawing to a close. Some already report their best customers as leaving for their summer homes and are looking for a decrease in sales. Among the noticeable windows was that of A. Lange which was a perfect bower of summer flowers where apple blossoms, lilacs, cape jasimine and peonies mingled with roses, carnations, sweet peas and lily of the valley in the foreground while the tall gladioli and Beauties made an imposing background. C. A. Samuelson, 21st and Michigan avenue always uses a group of palms as a background at one end of his large show window, making a beautiful setting for the cut flowers. Mr. Samuelson thinks the flight to summer homes will be early this year.

In the Parks.

Squirrels are again causing trouble in the parks and some action is expected by the city soon. The high shrubbery along the walks near the streets is also doomed as it affords a hiding place for hold-ups. Many complaints have been made.

Trade Items.

Gov. Deneen has issued a proclamation requesting everyone to wear a flower on Memorial Day.

The Chicago Carnation Co. are cutting excellent stock of Gladiolus Mrs. Frances King, Augusta and America.

Note published last week regarding the proposed Oechslin greenhouses should have read, 125 x 130 square feet, instead of 125 to 130 square feet.

A fair grade of cattleyas are coming into the market, but Chas. McKellar, who is their chief prophet, finds they are meeting a lull in the demand the same as less fanciful flowers.

Wietor Bros. have planted out seven acres of carnations consisting of White Perfection, White Enchantress, White Lawson, Lawson, Washington, Pink Enchantress, Winsor and Victory.

Personal.

Mr. and Mrs. O. P. Bassett are expected back from California about June 1st for an extended visit.

Tim Waters is temporarily handling the Evergreen Brand Fertilizer for the D. D. Johnson Co., 143 N. Wabash Ave., Chicago. This firm has an interesting pamphlet on lawn making which can be had for the asking.

James Novak who has spent several years in Chicago has returned from Charles City, Ill., to become foreman for Wietor Bros.

Visitors—F. H. Henry, of Henry & Lee, New York, on his way to San Francisco from which port he expects to sail for China; Mr. and Mrs. Wm. Feniger, Toledo, O.; H. E. Smith, Danville, Ill.

Newton Center, Mass.—Robert K. Rodden, son of the late Robert Rodden, will carry on the Irving street greenhouses which his father ran for so many years.

Bedding Plant Bargains

Geraniums. Alphonse Ricard, S. A. Nutt, John Doyle, Mme. Buchner (white), Mme. Thibaud (pink), and Ivy Geraniums, 4 in., not in bloom, suitable for bedding, \$7.00 per 100.

Scarlet Sage, Clara Bedman or Bonfire, 4 in. pots, \$7.00 per 100.

Heliotropes, Fuchsias, Double Petunias, Ageratum (blue), **Lantanas, Lemon Verbenas, Begonias** Vernon and Erfordii, \$7.00 per 100.

Cannas, J. D. Elsele (best red), Bouvier, Richard Wallace, Egandale (dark leaved), Robusta (dark leaved), Mme. Crozy and others, all 4 in. pots, strong, assorted, \$7.00 per 100.

Honeysuckles, sweet scented, 4 in., 10c.; 5½ in., 15c.

Clematis Paniculata, staked up, 5½ in., 15 to 20c.

Ampelopsis Veitchii, 4 in., 15c.

Cobea scandens, 4 in., 10c.

Single Petunia, Inimitable, Phlox Drummondii, dwarf and grandiflora, **Centaurea Gymnocarpa** (Dusty Miller), **Coleus,** Verschaffeltii, Golden Bedder, Queen Victoria, (Tradescantia, 4c.), **Sweet Alyssum,** little Gem, **Thunbergia** (or Black-eyed Susan), **Cornflower,** assorted, **Bellis** or Bachelors' Button, **Lobelia,** dwarf or trailing, **Kenilworth Ivy,** **Pyrethrum aureum** or Golden Feather, **Snappdragon,** **Torenia Fournieri,** \$3.00 per 100.

Petunia, California Giant, 3 in., \$5.00 per 100.

Dracaena Indivisa, 35c., 40c., 50c.

Our Moonvine, Ipomoea noctiflora, has no equal of merit. We have a world wide reputation, 25 years in the market. 2½ in., \$5.00; 3 in., \$8.00; 4 in., \$12.00 per 100.

Araucaria Excelsa, 5 in., 3 to 4 tiers, 40c. and 50c.; 5½ to 6 in., 1, 5 and 6 tiers, 60c., 75c. and \$1.00; 7 in., 25, 30, 40 and 50 in. high, for lawns and porches, \$1.50 to \$2.00. Cash with order, please.

Godfrey Aschmann

Wholesale Grower, Shipper and Importer of Pot Plants,

1012 West Ontario St.,
PHILADELPHIA, - PA.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100; \$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

1911 Quincy St., - CHICAGO, ILL.

NEWS NOTES.

Grand Forks, N. D.—The Johnson Floral Co. has purchased the greenhouse property of N. P. Lindberg.

Kalamazoo, Mich.—John Thomas will carry on the business of his father, who has been appointed city gardener.

Bristol, Tenn.—Ten acres of land has been purchased by the Bristol Floral Co. as an addition to their present holdings.

Halifax, Mass.—The Halifax Garden Co. held a free flower exhibition at their greenhouses on May 13 and 14. A good attendance of the public was secured.

Newington Junction, Conn.—Louis L. Barton has purchased a tract of land here after selling his interest in the Miller Floral Co., in Salt Lake City, Utah. He intends to erect a greenhouse and devote his time to growing roses.

Syracuse, N. Y.—Prof. Liberty H. Bailey of Cornell University received a very warm welcome from the members of the Syracuse Rose Society upon his visit on May 9th, when he gave an address upon "Back to Nature for Art." He criticised the too prevalent fashion of following book-teaching, in place of studying natural landscape effects.

CANNAS In 30 Varieties

From 3½-inch pots, strong plants, \$6.00 and \$8.00 per 100.

CHRYSANTHEMUMS

Golden Eagle, Gloria, G. W. Childs, Linwood Hall, Miss May Hankey, Miss May Seddon, Merstham Yellow, Old Gold, Oct. Frost, Patty, Virginia Poehlman, Vivland Morel.

From 2½-inch pots, 60c. per dozen; \$4.00 per hundred.

GENERAL COLLECTION.

Col. D. Appleton, Golden Dome, Mrs. Clay Frick, Mille. Jeanne Rosette, Nagoya, Pacific Supreme, The Harriott, White Shaw, Yellow Eaton.

Rooted Cutting, 30c. per dozen; \$2.00 per 100. **From 2½-inch pots,** \$3.00 per 100.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Early Snow, Golden Glow, Geo. Kalb, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, J. K. Shaw, Maud Dean, Meta, Monrovia, Moneymaker, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Mrs. Robt. McArthur, Major Bonnaffon, Mad. Ferd Bergeman, Polly Rose, Pink Ivory, Riverside, Robt. Halliday, Soleile D'October, Timothy Eaton, W. H. Lincoln, White Bonnaffon, William Duckham.

Rooted Cuttings, 30c. per dozen; \$2.00 per 100; \$15.00 per 1000. **From 2½-inch pots,** 50c. per dozen; \$3.00 per 100; \$25.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size pots	100
ALYSSUM	2½-in.	\$3.00
ACHYRANTHES, 5 sorts	2½-in.	3.00
ABUTILON Savitzii	2½-in.	4.00
ABUTILON Savitzii	3-in.	6.00
AGERATUM, Blue and White	2½-in.	3.00
AGERATUM, Blue and White	3½-in.	5.00
ALTERNANTHERAS	2½-in.	3.00
AMPELOPSIS Veitchii	3-in.	8.00
ASPARAGUS Sprengerii	2½-in.	3.00
ASPARAGUS Sprengerii	3-in.	6.00
ASPARAGUS Sprengerii	4-in.	10.00
BEGONIA, Vernon, Erfordii, Snow Queen, Crimson Bedder and Carmine	2-in.	3.00
CUPHEA Platycentra	2½-in.	3.00
COLEUS, All leading sorts	2½-in.	3.00
COLEUS, All leading sorts	3-in.	4.00
CENTAUREA Gymnocarpa	2½-in.	3.00
DRACAENA Indivisa	4-in.	15.00
DRACAENA Indivisa	5-in.	25.00
ENGLISH IVY	4-in.	8.00
FEVERFEW, Double White	2½-in.	3.00
FUCHSIAS, Dble. and Single	2½-in.	3.00
FUCHSIAS, Dble. and Single	3½-in.	8.00
FORGET-ME-NOT	2½-in.	3.00
GERANIUMS, dble. and single	3½-in.	7.00
Special Varieties	3½-in.	8.00
Double and Single	2½-in.	3.00
Ivy-leaved, Double	3½-in.	8.00
Fragrant, Rose, etc.	3½-in.	8.00
Fancy-leaved	3½-in.	8.00
HELIOTROPE	2½-in.	3.00
HELIOTROPE	3½-in.	6.00
IVY, German	2½-in.	3.00
LOBELIA, New Double Blue	2½-in.	4.00
LOBELIA, New Double Blue	3-in.	5.00
LOBELIA, Dwarf and Trailing	2½-in.	3.00
MOONVINE, True White	2½-in.	4.00
MOONVINE, True White	4-in.	10.00
PETUNIAS Single Fringed	2½-in.	3.00
SALVIAS	2½-in.	3.00
SALVIAS	4-in.	6.00
SWAINSONA Alba	2½-in.	4.00
STEVIA, Compacta and Variegata	2½-in.	3.00
TROPAEOLUM, Double	2½-in.	4.00
TRADESCANTIAS	2½-in.	3.00
VINCA Variegata	3-in.	5.00
VINCA Variegata	4-in.	10.00

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WOOD BROTHERS

Fishkill, N. Y.

Please mention Horticulture when writing

FERNS

Boston and Scottii Ferns

50c and 75c each

Well established pot grown plants

THOMAS ROLAND, Nahant, Mass.

If lily bulbs could be manufactured we would make them so well that they would practically be perfect. Since this is impossible however, we do the next best thing by importing only the very best produced. Bulbs are a product of the earth, and the most mortal man can do is to cultivate them properly and increase their flowering capacity. There is no firm in existence today paying more attention to quality than we are and the grand majority pay no attention to any particulars except the price. Horse shoe Brand bulbs are today giving the best average of any brand known. They cost no more per flower than any other brand and you can depend on them. Cold Storage Giganteum, Formosum Magnificum and Auratum ready for immediate or future delivery.

Order Now.



Not How Cheap But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Seed Trade

Federal Seed Bill.

Congressman Mann has introduced a bill which prohibits the importation into the United States of seeds of alfalfa, barley, Canadian blue grass, Kentucky blue grass, brome grass (awnless), buckwheat, alsike clover, crimson clover, red clover, white clover, field corn, Kaffir corn, meadow fescue, flax, millet, oats, orchard grass, rape, red top, rye, sorghum, timothy, and wheat, which are adulterated or unfit for seeding purposes within the meaning of the Act, but seeds may be delivered to the owner of them under bond to be recleaned subject to such regulations as the Secretary of the Treasury may provide and then released to the owner thereof, but the screenings removed from the seeds must be disposed of in a manner to be prescribed by the Secretary of Agriculture.

The Act holds that seeds shall be deemed adulterated "when seed of red clover contains more than three per centum of seed of yellow trefoil or any other seed of similar appearance to and of lower market value than seed of red clover; second when seed of alfalfa contains more than three per centum of seed of yellow trefoil, burr clover, or sweet clover, singly or combined; third, when any kind or variety of these seeds," named above, "contains over five per centum of another kind of variety of lower market value and of similar appearance."

Furthermore, "seed shall be considered unfit for seeding purposes within the meaning of this Act: First, when any kind or variety of clover seed contains more than one seed of dodder to 3000 seeds of clover; second, when any kind or variety of the seeds named in section 1 of this Act contains more than three per centum by weight of seeds of noxious weeds."

Agricultural Department Tests.

The Department of Agriculture announces that as none of the samples of alfalfa or red clover seed collected during the calendar year 1909 were found to be adulterated or misbranded, these seeds were not collected for examination during 1910. Of 317 samples of orchard grass collected, twelve were found to be adulterated with seed of meadow fescue or rye-grass, as compared with 55 samples found to be adulterated in the calendar year 1909. Of 371 samples of Kentucky blue grass 16 were found to be wholly or partly seed of Canada blue grass. Of 526 samples of redtop, 176 contained timothy seed.

F. J. DYER.

Notes.

Louisville, Ky.—A seed warehouse to cost \$17,000 is to be erected at 1339 West Walnut street by Wood, Stubbs & Co.

Malvern, Iowa.—A. H. Wilkinson of Chicago is to have charge of the garden seed department of the Summers' Seed House.

The Pennsylvania seed bill has emerged from committee minus the amendments of the Philadelphia delegation of seedsmen—so the war is on again. It would appear as if somebody had acted in bad faith. More later.

The W. W. Barnard Co. have leased the premises at 231-233-235 Madison street, Chicago, 45 x 183 feet, a five-

ACTINIDIA CHINENSIS, YANG TAU VINE.



Male flowers from plants which have flowered profusely for the past two seasons at the Plant Introduction Garden, Chico, California. Photographed April

18, 1910. The four vines at the Garden introduced in 1904, have borne only male flowers. Female plants are being imported by the Dept. of Agriculture.

story building (occupied at present by the Chicago American Newspaper), and after thoroughly remodeling same, expect to occupy the new quarters, January 1st, 1912.

PHILADELPHIA NOTES.

A distinguished visitor arrived on these shores on the S. S. Caledonia on the 8th inst.—Frank Cuthbertson—son of the senior member of the firm of Dobbie & Co., of Rothesay and Edinburgh, Scotland. Of course, he took the first train for Philadelphia, where he was received with open arms by the trade. On Tuesday he visited Scott's nurseries at Sharon Hill and on Wednesday took in Fordhook. He will spend a year in California before returning home.

The Farm Journal has completed contracts for its monumental new building, and will commence operations in the near future. The location will be at 7th street and Washington square, nearly opposite where the palatial new home of the Ladies' Home Journal and the Saturday Evening Post is now approaching completion. We are told on good authority that the spring editions of the Farm Journal have averaged this year 950,000 monthly, so it would appear that Messrs. Atkinson & Jenkins are pretty near "that million" they have been shouting about since their 100,000 days. If ever there was a case of deserved success, this is one. They may make the F. J. bigger in the years to come, but they will never make it better than it has been for the past 25 years.

A good story is going the rounds in Harrisburg at the expense of our Senator Heacock and a few other stalwart apostles of the doctrine of plain living and high thinking. It appears that some of the younger bloods, when letting off steam and indulging in joy riding of more or less severity, have represented themselves to be Messrs. Heacock, et al. Such procedure seemed to these sinners to be very humorous. The victims of this unconscionable conduct take a different view of it. Your correspondent was asked, with a scowl (just as if he

had had something to do with it) what he thought of the proposition. We were non-committal but our private opinion is that they (the stalwarts) are getting their reputation cheap. Usually it costs a whole lot of real money to achieve distinction in that line.

Visitors: J. N. King, Norristown, Pa.; Parker Thayer Barnes, Harrisburg, Pa.; W. C. Langbridge, Cambridge, N. Y.; J. Riley, Trenton, N. J.; G. Rosbach, Pemberton, N. J.; Frank Cuthbertson, Edinburgh, Scotland; Wm. Duckham, Madison, N. J.; Bertrand H. Farr, Reading, Pa.

NEWS NOTES.

Cambridge City, Ind.—M. H. Gaar has purchased a tract of land near here for the establishment of a nursery.

Leominster, Mass.—About \$500 worth of glass was broken by a wind storm in the greenhouse of George M. Kendall recently.

Minneapolis, Minn.—A greenhouse is to be included in the equipment of the new High school on Fourth avenue and 34th street.

Kingman, Kan.—A flower and vegetable growing business has been started here by Riggs & Johnson. They have one house and are erecting another.

Coeur d'Alene, Idaho.—Adolph Donart, florist, has purchased property across the street from his greenhouse and will move his residence there, so as to have room to enlarge his greenhouse.

Washington, D. C.—Gude Brothers Co. have purchased from the Washington Loan and Trust Co. the property formerly owned by The American Rose Company, consisting of eight acres of land with greenhouses and other buildings. The extensive range of houses is in bad shape, and will be torn down and rebuilt for rose-growing purposes, for which the location seems ideal. It is within a stone's throw almost of the Capitol building, and in course of time the land should prove a good investment for the Gudes. The old Strauss place—1 $\frac{3}{4}$ acres—is not included in the deal.



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in separate colors

Asters in all varieties and in separate colors

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Faneuil Hall Sq., also 26 So. Market St. - BOSTON

LEONARD SEED CO.

PRODUCERS AND
WHOLESALE
MERCHANTS

ONION SETS
Write Us for Prices

Largest Growers of Peas, Beans and Garden
Seed. Headquarters
220-230
W. KINZIE STREET CHICAGO

SEED POTATOES

Bovee Northern
Carman No. 1 Beauty of Hebron
Early Rose Puritan
Green Mountain
Queen and Rural New Yorker

\$3.50 Bbl.

WM. ELLIOTT & SONS,
42 Vesey St., New York

MICHELL'S SEEDS
BULBS
ARE GOOD
Send for Wholesale Price List
518 and 1018 Market St., Phila.

SEEDS

Asparagus Plumosus \$2.00 per 1,000.
SPRENGER \$1.00 per 1000. STRAW-
BERRY GUAVA .20 cts oz. SMILAX 25 cts
per oz. All from my own plants.

C. H. Gardiner, South Pasadena, Calif.

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

SEEDS BULBS

For Immediate Planting
Finest Florist Strains
"BUDS"

C. R. CLOECKNER, Pres.
76 Barclay Street, New York

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
CELERY, White Plume, \$1.00 per 1000.
BEET, Crosby, Egyptian and Eclipse, \$1.25 per 1000

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,
Seedsman
ROCHESTER N. Y.

Florists and Seedsman Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.00. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct 27, 1910, writes as follows: — I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

FLOWER SEEDS

For Present Sowing

List ready; mailed free on application.

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.
33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

Dreer's Select Potted Roses

The Roses here offered are field grown plants which have been potted into 5 or 6 inch pots (according to the growth of the variety) during the winter months. They have been stored in cold houses and cold frames and are in the best possible condition to turn over to your retail customers for outdoor planting, giving an entirely different result from stock carried over winter in storage. For best results the plants should be shipped in pots; in this shape they will carry safely to reasonable distances by freight.



Hybrid Tea Rose Killarney

Hybrid-Tea Roses. Novelties and Recent Introductions.

Strong Two-Year-Old Plants		Each
Comtesse Icy Hardegg (Soupert & Notting 1908)	.....	\$0.50
Cynthia Ford (H. Dickson 1909)	.....	.85
Chateau de Clos Vougeot (Pernet Ducher 1908)	.....	.50
Countess of Gosford (McGregdy 1906)	.....	.35
Duchess of Wellington (Dickson & Sons 1909)	.....	.85
Dorothy Page Roberts (Dickson & Sons 1907)	.....	.50
Elizabeth Barnes (Dickson & Sons 1907)	.....	.50
F. R. Patzer (Dickson & Sons 1909)	.....	.85
Florence Edith Coulthwaite (Dickson & Sons 1908)	.....	.65
Grace Molyneux (Dickson & Sons 1908)	.....	.75
Hon Ina Bingham (Dickson & Sons 1905)	.....	.50
His Majesty (McGregdy 1909)	.....	.85
Hector MacKenzie (Guillot 1909)	.....	.50
H. Armytage Moore (H. Dickson 1907)	.....	.50
Instituteur Sirday (Pernet Ducher 1906)	.....	.50
James Coey (Dickson & Sons 1909)	.....	.85
John Cuff (Dickson & Sons 1908)	.....	.75
Juliet (Wm. Paul & Sons 1910)	.....	2.25
Kronprinzessin Cecilie (Schmidt 1908)	.....	.75
Kaiser Wilhelm II (N. Welter 1909)	.....	.50
Lady Faire (Bentley 1906)	.....	.35
Lady Ursula (Dickson & Sons 1908)	.....	.75
Lina Schmidt Michel (Lambert 1905)	.....	.50
Laurent Carle (Pernet Ducher 1907)	.....	.50
Lyon (Pernet Ducher 1907)	.....	.50
Lady Alice Stanley (McGregdy 1909)	.....	.85
Mrs. Harold Brocklebank (Dickson & Sons 1907)	.....	.50
Mme. Melanie Soupert (Pernet Ducher 1906)	.....	.50
Mme. Maurice de Luze (Pernet Ducher 1907)	.....	.50
Mrs. Peter Blair (Dickson & Sons 1906)	.....	.35
Marquise de Sinety (Pernet Ducher 1906)	.....	.75
Margaret Molyneux (Dickson & Sons 1909)	.....	.85
Mary Countess of Ichester (Dickson & Sons 1909)	.....	.85
Mrs. Aaron Ward (Pernet Ducher)	.....	.40
Mrs. A. R. Waddell (Pernet Ducher 1908)	.....	.50
Margaret (Wm. Paul & Sons 1909)	.....	.75
Mrs. Arthur Munt (Dickson & Sons 1909)	.....	.85
Mrs. Wakefield Christie Miller (McGregdy 1909)	.....	.85
Mme. P. Euler (Guillot 1908)	.....	.50

Mrs. Alfred Tate (McGregdy 1909)	.....	\$0.85
Mrs. Edward J. Holland (McGregdy 1909)	.....	.85
Mrs. Charles Custis Harrison (Dickson & Sons 1910)	.....	2.00
Otto von Bismarck (Schmidt 1909)	.....	.50
Reine Marguerite D'Italie (Soupert & Notting 1905)	.....	.50
Rosa Verschuren (Verschuren 1905)	.....	.35
Theresa (Dickson & Sons 1908)	.....	.85
Walter Speed (Dickson & Sons 1909)	.....	.85

Hybrid-Tea Roses. Select Standard Varieties.

Strong Two-Year-Old Plants.

	Per 100		Per 100
Antoine Rivoire.....	\$30.00	Kaiserin Augusta Victoria.....	\$25.00
Bessie Brown.....	30.00	Lady Ashdown.....	30.00
Betty.....	30.00	La Detroit.....	30.00
Belle Siebrecht.....	30.00	La Tosca.....	30.00
Celia.....	40.00	La France.....	25.00
Caroline Testout.....	25.00	Lady Wenlock.....	30.00
Dean Hole.....	30.00	Le Progres.....	30.00
Earl of Warwick.....	30.00	Liberty.....	30.00
Earlate.....	30.00	Mme. Philippe Rivoire.....	30.00
Ellen Willmot.....	30.00	Mme. Paul Oliver.....	35.00
Edu Meyer.....	30.00	" Jenny Gillemot.....	30.00
Florence Pemberton.....	30.00	" Edmee Metz.....	30.00
Frau Lila Rautenstrauch.....	30.00	" Jules Grolez.....	30.00
Franz Deegen.....	30.00	" Abel Chatenay.....	30.00
Farben Konigin.....	30.00	" Ravary.....	30.00
Gustav Gruenewald.....	30.00	" Leon Pain.....	30.00
Grace Darling.....	30.00	" Pernet Ducher.....	30.00
Goldelse.....	30.00	Mildred Grant.....	30.00
General MacArthur.....	30.00	Mrs. John Bateman.....	35.00
Grand Duke Adolphe de Luxemburg.....	30.00	Mons. Paul Lede.....	35.00
Gruss an Teplitz.....	25.00	Pharisaer.....	30.00
Hon. Edith Gifford.....	30.00	Prince de Bulgarie.....	30.00
Joseph Hill.....	30.00	Richmond.....	30.00
Killarney.....	30.00	Souvenir de President Carnot.....	30.00
		Viscountess Folkestone.....	30.00



Hybrid Tea Rose, Bessie Brown

Henry A. Dreer, Inc., 714 Chestnut Street, Philadelphia, Pa.

The above prices are intended for the trade only.

Dreer's Select Potted Roses

FOR OUTDOOR PLANTING



Rose Mme. Gabriel Luizet

Tea Roses.

Novelties and Recent Introductions.

Strong Two-Year-Old Plants

	Each
Hugo Roller (Wm. Paul & Son 1907).....	\$0.50
Molly Sharman Crawford (Dickson & Sons 1908).....	.65
Nita Weldon (Dickson & Sons 1909).....	1.00

Tea and Other Everblooming Roses.

Two-Year-Old Plants.

Per 100	Per 100
Catherine Mermet.....	\$25.00
Comtesse Riza du Parc.....	25.00
Corallina.....	25.00
Charlotte Klemm.....	25.00
Comtesse du Cayla.....	25.00
Clothilde Soupert.....	25.00
Duchess de Brabant.....	25.00
Etoile de Lyon.....	25.00
Francisca Kruger.....	25.00
G. Nabonnand.....	25.00
Hermosa.....	20.00
Leonie Lamesch.....	25.00
Mrs. B. R. Cant.....	25.00
Maman Cochet Pink.....	\$25.00
" " White.....	25.00
Marie Van Houtte.....	25.00
Mme. Joseph Schwartz.....	20.00
Papa Gontier.....	25.00
Queen Mab.....	25.00
Queen's Scarlet, or Agripina.....	20.00
Souvenir de Pierre Notting.....	30.00
Souvenir de Catherine Guillot.....	30.00
Safrano.....	25.00
William R. Smith.....	25.00

Hybrid Perpetual Roses.

Two-Year-Old Plants.

Per 100	Per 100
Alfred Colomb.....	\$25.00
Anna de Diesbach.....	25.00
Alfred K. Williams.....	25.00
Baroness Rothschild.....	25.00
Camille Bernardin.....	25.00
Capt. Christy.....	25.00
Captain Hayward.....	25.00
Charles Lefebvre.....	25.00
Earl of Dufferin.....	25.00
Fisher Holmes.....	25.00
Francois Michelon.....	25.00
Frau Karl Druschki.....	\$25.00
General Jacqueminot.....	25.00
Gloire de Margottin.....	25.00
Gloire de Lyonnaise.....	25.00
Her Majesty.....	30.00
Jean Liabaud.....	25.00
Louis Van Houtte.....	25.00
Mrs. R. G. Sharman.....	25.00
Crawford.....	25.00
Mrs. John Laing.....	25.00
Mabel Morrison.....	25.00
Mme. Victor Verdier.....	25.00

Per 100	Per 100
Mme. Gabrielle Luizet.....	\$25.00
Marie Baumann.....	25.00
Paul Neyron.....	25.00
Prince Camille de Rohan.....	25.00
Queen of Queens.....	25.00
Rodocanachi.....	\$25.00
Soliel d' Or.....	30.00
Tom Wood.....	25.00
Ulrich Brunner.....	25.00
Victor Verdier.....	25.00

Baby Rambler Roses.

	Per 100
Annen Muller, Pink Baby.....	\$20.00
Catherine Zeimet, White Baby.....	20.00
Mme. Norbert Levavasseur, Crimson Baby.....	20.00
Mrs. Cutbush, Cherry-red Baby.....	20.00

Rugosa Roses.

Two-Year-Old Plants.

Two-Year-Old Plants.	Per 100
Blanc Double de Coubert.	\$25.00
Nova Zembla	25.00
Rugosa, Red.	15.00
" White	15.00

Moss Roses.

Strong Two-Year-Old Plants.

Strong Two-Year-Old Plants.	Per 100
Blanche Moreau	\$25.00
Comtesse de Muranaise	25.00
Crested Moss	25.00
Crimson Globe	25.00
Gloire de Mosses	25.00
Princess Adelaide	25.00

Sweet Briar Roses.

Strong, Two-Year-Old Plants.

Strong, Two-Year-Old Plants.	Per 100
Refulgence (New), 75 cts. each.	
Anne of Geierstein	\$30.00
Brenda	30.00
Lord Penzance	30.00
Lady Penzance	30.00
Meg Merillies	30.00
English Sweet Briar or Eglantine.....	15.00

Austrian or Yellow Briar Roses.

Two-Year-Old Plants.

	Two-Year-Old Plants.	Per 100
Austrian Copper		\$25.00
Persian Yellow		25.00

Rambler, Hardy and Tender Climbing Roses.

Strong, Two-Year-Old Plants.

Strong, Two-Year-Old Plants.	Per 100
American Pillar	\$50.00
Baltimore Belle	20.00
Crimson Rambler	25.00
Climbing Clothilde Soupert	25.00
“ Caroline Testout	30.00
“ Belle Siebrecht	30.00
“ Kaiserin Augusta Victoria	35.00
Dorothy Perkins	25.00
Delight	75.00
Excelsa, \$1.25 each.	
Flower of Fairfield (Everblooming Crimson Rambler)	30.00
Gloire de Dijon	30.00
Hiawatha	25.00
Lady Gay	25.00
Marechal Niel	30.00
Newport Fairy	25.00
Philadelphia Rambler	25.00
Prairie Queen	20.00
Reine Marie Henriette	30.00
Tausendschon	25.00
Trier	25.00
Veilchenblau (Blue Rose)	35.00
White Dorothy	30.00
White Banksia	25.00
Yellow Banksia	25.00
Yellow Rambler	25.00

Standard or Tree Shaped Roses.

Good Plants in Seven-Inch Pots.

Good Plants in Seven-Inch Pots.		Per 100
Caroline Testout	.....	\$75.00
Frau Karl Druschki	.....	75.00
Killarney	.....	75.00
La France	.....	75.00
Mme. Jules Grolez	75.00
Ulrich Brunner	75.00

Henry A. Dreer, Inc.,

714 Chestnut Street,
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DETROIT, MICH.

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High Grade Cut Blooms**

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sections of Ohio, Indiana and Canada.

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We ship to all points in Illinois and Iowa.

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The Far-Famed Flowers of TORONTO

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J. A. VALENTINE,
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Cleveland, Ohio—G. P. Braund & Co.'s plant at Newburgh was damaged by fire on May 5.

Clarinda, Iowa—The Clarinda Greenhouses lost considerable glass during the storm of April 30.

Charlotte, Mich.—The cut flower store of W. E. Garman has been taken over by J. H. Gibbons.

Oswego, N. Y.—Joseph and Albert Thomas are to assume the florist business of their father, A. J. Thomas.

Carrollton, Ill.—Much damage by hail was done to the greenhouse of Clint McPherson recently. The loss was fully covered by insurance.

Washington, D. C.—Mothers' day brought a noticeable trade in white carnations and the visible supply was exhausted early. Prices went up on all colors.

STEAMER DEPARTURES

Allan.

Numidian, Boston-Glasgow... May 26
American.

St. Louis, N. Y.-Southampton... May 20
St. Paul, N. Y.-Southampton... May 27

Anchor.

Columbia, N. Y.-Glasgow... May 20
Caledonia, N. Y.-Glasgow... May 27

Atlantic Transport.

Minnetonka, N. Y.-London... May 20
Minnehaha, N. Y.-London... May 27

Cunard.

Carmania, N. Y.-Liverpool... May 20
Mauretania, N. Y.-Liverpool... May 24

Franconia, Boston-Liverpool... May 30

Hamburg-American.

Hamburg, N. Y.-Mediterranean... May 20
K. A. Victoria, N. Y.-Hamburg... May 25

Pennsylvania, N. Y.-Hamburg... May 27

Holland.

Ryndam, N. Y.-Rotterdam... May 30

Leyland.

Devonian, Boston-Liverpool... May 20
Canadian, Boston-Liverpool... May 27

North German Lloyd.

Frie, Der Grosse, N. Y.-Med'n... May 20
K. W. D. Grosse, N. Y.-Bremen... May 23

Barbarossa, N. Y.-Bremen... May 25
Prinzess Irene, N. Y.-Med'n... May 27

Kronp. Cecilie, N. Y.-Bremen... May 30

Red Star.

Lapland, N. Y.-Antwerp... May 20
Vaderland, N. Y.-Antwerp... May 27

White Star.

Baltic, N. Y.-Liverpool... May 20
Canopic, Boston-Mediterranean... May 20

Zeeland, Boston-Liverpool... May 23
Oceanic, N. Y.-Southampton... May 24

Cedric, N. Y.-Liverpool... May 27

Detroit—Messrs. Klang and Rockel-man, who started in business last fall, are looking around for larger quarters.

Frank Danzer has been on a business trip to Ashtabula, Ohio, stopping over in Cleveland.

The Woodmere Floral Co., Chas. Warke, Jr., Mgr., has added some more land to its large holdings.

Philip Breitmeyer has been chosen President of the Broadway Market Co., a new corporation formed for the purpose of erecting a general market hall at a cost of \$250,000.

NEW FLOWER STORES.

Newark, N. J.—George Penck, 185 Market street.

Chicago, Ill.—Peter Propps, 2450 North Clark street.

Milwaukee, Wis.—The Reitz Floral Co., 858 Third street, branch store.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

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DAYTON, OHIO

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day

For Dayton, Ohio and Vicinity.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

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BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
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EDWARD MACMULKIN
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PERFECT GOODS FOR PARTICULAR FLORISTS FOR DECORATION DAY

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Novelty Crepe Flowers, Cycas Wreaths, Statice and Ammobium Wreaths, Wheat Sheaves, Baskets, Inscriptions, Cemetery Vases, Immortelles and many other seasonable Decoration Day Specialties that Sell.

For Spring Weddings we offer Bridal Bouquet Holders, Fancy Baskets in Great Variety of Style and Material. Also of the latter we have a Superb Stock in Novelty Quality for School Graduations, Commencements, etc.

Send for Complete Catalogue.

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Without A Competitor

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Amsterdam, N. Y.

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NEW ENGLAND

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Your orders for flower or plant delivery in Eastern New England to

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1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

Sidney Hoffman of Boston is nursing a broken arm due to an automobile accident.

ST. LOUIS NOTES.

J. Cerney is building two new houses at Kirkwood. Mr. Cerney was until recently with the Woodbine Floral Co.

The Ladies' Home Circle held their monthly meeting on Wednesday, May 10, at Trump's Hall, Delemear and Taylor avenue. A splendid afternoon was spent by those attending.

Florists Sanders, Miller, Schoenle, Beneke, Weber, Herzog, Bergesterman, Bruning and Windler attended a public hearing last week Tuesday at the House of Delegates hall to defend their bill to prohibit crepe pulling. Talks were made by Messrs. Beneke, Sanders and Windler in favor of the bill. There was no one present to oppose the bill and the committee will report favorably at the meeting of the delegates as to its passage.

Visitors: Guy Reyburn, representing Henderson & Co., Chicago.

NEWS NOTES.

Lenox, Mass.—Rudolph Mauserberger has leased the greenhouses on the Cutting estate.

Orville, Ohio.—Albert and Everett Lechy of Holmesville have been here looking up a site for a greenhouse.

Highland, Ark.—The Patterson Orchard Co., of St. Louis, has established headquarters here, investing \$65,000.

Watertown, S. D.—Peter Siverts is now located at Lake Kampeska, where he intends to start a nursery soon.

Fulton, Ill.—E. J. Thompson and John Newendyke, doing a nursery business under the name of Riverside Nursery, have dissolved partnership.

Mr. Thompson has sold his interest to his partner.

Rugby, N. D.—N. P. Lindberg has disposed of his greenhouse in Grand Forks and will devote all his time to his house here.

Long Island City, N. Y.—Pankok & Schumacher, growers, will dissolve partnership. Mr. Schumacher is retiring on account of ill health.

Elmwood, Conn.—L. L. Barton of Milford has purchased 23 acres of land here and will start next month to erect a range of greenhouses for his wholesale florist business.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's, 34 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 571 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

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3500 Plants — 2 Inch Pots

\$50.00 per 1000

These plants are in fine condition, ready for immediate shipment. Our price is very attractive, much below the regular market price.

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John Kruchten

Wholesale Cut Flowers

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WHOLESALE
FLORIST

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The J. M. McCullough's Sons Co.

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want a regular or special supply of the product of the best growers

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON May 18		CHICAGO May 16		TWIN CITIES May 16		PHILA. May 16	
Ara. Beauty, Fancy and Special...	15.00	to 20.00	30.00	to 35.00	30.00	to 35.00	20.00	to 25.00
" Extra	12.00	to 15.00	25.00	to 30.00	25.00	to 30.00	12.50	to 15.00
" No. 1.....	8.00	to 10.00	20.00	to 25.00	20.00	to 25.00	8.00	to 10.00
" Lower grades.....	2.00	to 4.00	5.00	to 10.00	5.00	to 10.00	8.00	to 10.00
Bride, 'Mald, F. & S.	4.00	to 5.00	4.00	to 6.00	4.00	to 6.00	4.00	to 6.00
" Lower grades.....	1.00	to 3.00	3.00	to 4.00	3.00	to 4.00	4.00	to 6.00
Richmond, Chateauf, Fancy & Special	4.00	to 6.00	4.00	to 8.00	4.00	to 8.00	8.00	to 10.00
" Lower grades.....	2.00	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 6.00
Killarney, My Maryland, Fan, & Spl.	4.00	to 5.00	4.00	to 8.00	4.00	to 8.00	8.00	to 10.00
" " Lower grades	1.00	to 3.00	3.00	to 4.00	3.00	to 4.00	3.00	to 5.00
CARNATIONS, First Quality.....								
" Ordinary.....	2.50	to 3.00	3.00	to 5.00	3.00	to 5.00	3.00	to 4.00
	1.00	to 1.50	3.00	to 4.00	3.00	to 4.00	1.50	to 2.00
MISCELLANEOUS								
Cattleyas.....	40.00	to 50.00	30.00	to 50.00	30.00	to 50.00	40.00	to 50.00
Lilies, Longiflorum.....	5.00	to 8.00	5.00	to 10.00	8.00	to 10.00	5.00	to 10.00
Callas.....	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00	8.00	to 10.00
Lily of the Valley.....	2.00	to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Mignonette.....	1.00	to 2.00	3.00	to 6.00	3.00	to 6.00	3.00	to 4.00
Lilac, per bunch.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Tulips.....	1.50	to 2.00	4.00	to 6.00	4.00	to 6.00	2.00	to 3.00
Daffodils.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Daisies.....	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Snaptadragon.....	3.00	to 5.00	4.00	to 8.00	4.00	to 8.00	5.00	to 6.00
Sweet Peas.....	1.00	to 1.50	1.00	to 1.25	1.00	to 1.25	1.00	to 1.50
Gardenias.....	4.00	to 8.00	10.00	to 20.00	10.00	to 20.00	10.00	to 20.00
Adiantum.....	1.00	to 1.25	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Smilax.....	12.00	to 16.00	15.00	to 20.00	15.00	to 20.00	15.00	to 25.00
Asparagus Plumosus, strings (100)	50.00	to 50.00	50.00	to 75.00	50.00	to 75.00	50.00	to 50.00
" " & Spre. (100 bchs.)	40.00	to 40.00	25.00	to 40.00	25.00	to 40.00	25.00	to 50.00

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82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens, Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. Roses and Carnations Our Specialty

In writing to Advertisers kindly mention Horticulture



Peonies for Memorial Day

We have every reason to believe that we will have a good supply of Peonies for Memorial Day, although not in quite as large quantities as last year on account of the late season. Prices will probably rule about the same — perhaps a trifle higher. We will know definitely in the course of the next few days. Mean-time we invite correspondence so that your wants may be known in good time and properly taken care of.

BOXWOOD SPRAYS FOR MEMORIAL DAY

Order in good time so that stock may be reserved for you and shipped on the date you wish. Do not leave this until the last minute.

We are the introducers of this item and headquarters for it. It has become immensely popular, not only for holiday work, but all the year round. The most useful and decorative green imaginable. Artistic wreaths and designs can be made of it and find ready sale. Our stock is always clean and fresh with rich, glossy, dark green foliage. Often sold as the German Myrtle. No surplus wood. The very best quality for florists' use. **\$7.50 per 50 lb. crate.** Special prices for large quantities.

Ivy Leaves, Leucothoe Sprays, Dagger Ferns, Galax, Magnolia, Bay, Etc. — at lowest market prices. See our weekly price list.

RIBBONS. — Some of the choicest novelties, exclusive patterns, and endless variety from which to choose. Supplies of all kinds.

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1608-1620 Ludlow Street

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1212 New York Av.

Flower Market Reports

BOSTON Low vitality is evident in all phases of the flower trade here at the present time. The situation is not greatly at variance from that of past years, however, as May is usually a rather embarrassing month for the flower dealer for many obvious reasons. If possible the present is simply a few degrees more contrary than any of its predecessors. Yet there is a fair call for some things. Richmond roses for instance, and the higher grades of Killarney show considerable activity and, in carnations, the white ones are moving with gratifying alacrity. Lily of the valley is very slow and gardenias are an awful drag. Cattleyas find a fair response and smilax is scarce and in active demand. Daffodils are finished, all except the poeticus section, which are coming in from outdoor gardens. Decoration day supply is a very doubtful proposition in which the weather is the principal factor.

CHICAGO The drop in temperature recorded last week was of short duration. Mid-summer heat prevails and for many days roses and carnations have had to withstand a hot wave that cannot help tending to soften the stock. The buds

WHOLESALE FLOWER MARKETS. — TRADE PRICES — Per 100 TO DEALERS ONLY

ROSES	CINCINNATI May 16		DETROIT May 16		BUFFALO May 16		PITTSBURG May 9	
Am. Beauty, Fan, and Sp.....	8.00	to 12.00	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00
“ Extra	4.00	to 6.00	20.00	to 25.00	12.00	to 15.00	12.50	to 18.00
“ No. 1.....	.....	.....	15.00	to 20.00	8.00	to 10.00	6.00	to 10.00
“ Lower grades.....	.....	.....	4.00	to 12.00	2.00	to 3.00	2.00	to 4.00
Bride, 'Maid, F. & S.....	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	.....	to
“ Low. gr.....	2.00	to 3.00	1.00	to 6.00	2.00	to 3.00	.....	to
Richmond, Chateaux, Fancy & Special	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	6.00	to 10.00
“ Lower Grades..	2.00	to 3.00	1.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Killarney, My Maryland, Fan. & Spl.	4.00	to 6.00	6.00	to 8.00	6.00	to 8.00	6.00	to 10.00
“ Low. Grades	2.00	to 3.00	1.00	to 6.00	2.00	to 4.00	3.00	to 4.00
CARNATIONS, First Quality .....	.....	to 3.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
“ Ordinary .....	.....	to 2.00	1.00	to 2.00	1.50	to 2.00	1.00	to 1.50
MISCELLANEOUS								
Cattleyas.....	50.00	to 75.00	50.00	to 75.00	50.00	to 60.00	60.00	to 75.00
Lilies, Longiflorum.....	4.00	to 6.00	.....	to 12.50	6.00	to 8.00	6.00	to 10.00
Callas.....	4.00	to 6.00	.....	to 12.50	6.00	to 8.00	.....	to 10.00
Lily of the Valley.....	1.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Mignonette .....	.....	to 3.00	3.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Lilac, per bunch.....	.....	to .....	.....	to .....	.....	to .....	.....	to 1.25
Tulips .....	.....	to .....	.....	to 3.00	1.00	to 2.00	.....	to
Daisies.....	.25	to .50	.50	to 1.00	1.00	to 2.00	1.00	to 2.00
Snapdragon.....	2.00	to 3.00	3.00	to 8.00	5.00	to 6.00	4.00	to 8.00
Sweet Peas.....	.25	to .35	.50	to 1.00	.40	to .75	.50	to 1.00
Gardenias.....	.....	to .....	.....	to 25.00	.....	to	25.00	to 40.00
Adiantum.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax .....	.....	to 12.50	.....	to 15.00	.....	to 15.00	12.50	to 15.00
Asparagus Plumosus, strings (100)	.....	to 35.00	20.00	to 30.00	50.00	to 60.00	30.00	to 40.00
“ “ & Spreng. (100 bchs.)	.....	to 25.00	20.00	to 30.00	35.00	to 50.00	.....	to 50.00

have opened so rapidly that practically the same condition prevails that the Chicago market experienced two weeks ago—too much medium stock. Out-of-door flowers have developed rapidly and these added to the indoor blooms have made an accumulation not to be handled with profit. The very best only could be sold to advan-

tage and good medium went slowly, while there was nothing but the barrel left for the poor grades. Reports from the wholesalers differ considerably as to proportion of stock disposed of, but it undoubtedly depended largely upon the shipping trade the individual firms possess. An extra

(Continued on page 758)

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 A Full Line of All CUT FLOWERS.
 Telephone, 3870 or 3871 Madison Square

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NEW YORK QUOTATIONS PER 100. To Dealers Only

	Last Half of Week ending May 13 1911	First Half of Week beginning May 15 1911
ROSES AND CARNATIONS		
American Beauty, Fancy and Special.....	10.00 to 20.00	10.00 to 20.00
" " Extra.....	5.00 to 8.00	5.00 to 8.00
" " No. 1.....	2.00 to 4.00	2.00 to 4.00
Bride, 'Maid, Extra and Special.....	..... to 1.00	.50 to 1.00
" " Lower Grades.....	2.00 to 5.00	1.00 to 5.00
Richmond, Chateaux, Extra and Special.....	.25 to 1.00	.50 to 1.00
" " Lower Grades.....	4.00 to 6.00	4.00 to 6.00
Killarney, My Maryland, Extra and Special.....	50 to 3.00	.50 to 3.00
" " Lower Grades.....	2.00 to 5.00	2.00 to 5.00
Carnations, First Quality.....	.50 to 1.00	.50 to 1.00
" " Ordinary.....	2.00 to 3.00	1.00 to 2.00
	1.00 to 1.50	.75 to 1.00

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 Wholesale Florist
 55-57 West 26th St., NEW YORK
 Shipments, any quantity, Whole-
 sale Market Rates.



Flower Market Reports

(Continued from page 757)

heavy demand for funeral flowers the past week has helped out much. The peony question is an absorbing one just at present and the possibility of home-grown peonies being in the market for Memorial Day means thousands of dollars to the peony grower and that many less dollars for the rose and carnation growers. One thing seems sure, that out-of-door flowers are likely to be gone before the end of the month.

A generally satisfactory tone prevails. The many schemes used by florists collectively and individually to create a sentiment for mother's day has brought good results. It helped materially to clean up a large surplus of carnations and many boxes of flowers or plants were sent out. This latter fact should not be overlooked by any means, because it may contain the seed for a day similar to Valentine's day.

The unprecedentedly heavy crops of roses still continue to harass the wholesale market and a return to normal conditions seems as far off as ever. Observant judges attribute the enormous and ever-increasing product largely to the adoption of the Killarneys as standard market sorts in place of the old Bride and Bridesmaid, the Killarneys being so much more prolific and easily grown and the blooms in the lower grades being so much more uniform and salable. The carnation seems to have fared somewhat better than the rose this season, values having shown more stability and less sacrifice of large crops having been required, but it was inevitable that, with such an overwhelming avalanche of roses, all sorts of stock should feel the depression and so it is that the wholesale growers and dealers are unanimous in their verdict that the season now approaching its close has been disappointing in its results. Just now large quantities of lilacs, tulips, narcissi, dogwoods and other outdoor flowers encumber the market and add to the embarrassment of those whose business is to find sale for the stock. On very few things can a specified figure be maintained. Quality, generally, is very fine. Gardenias with 12 to 18 in. stems are abundant and glorious gigas cattleyas maintain the prestige in the orchid line, while sweet peas in almost endless Spencer varieties are the best ever seen here. Smilax has

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WHOLESALE COMMISSION HOUSE
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28 Willoughby St., Brooklyn, N. Y.
Tel. 4291 Main

WILLIAM F. KASTING Co.
Wholesale Florists
383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 13 1911		First Half of Week beginning May 15 1911	
Cattleyas.....	25.00	to 50.00	25.00	to 50.00
Lilies, Longiflorum.....	2.00	to 4.00	3.00	to 5.00
Callas.....	4.00	to 8.00	5.00	to 8.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Mignonette.....	.50	to 2.00	.50	to 2.00
Lilac, per bunch.....	.05	to .20	.05	to .10
Tulips.....	1.00	to 2.00	1.00	to 2.00
Daffodils.....	1.00	to 1.50	.25	to 1.50
Daisies.....	.25	to 1.00	.25	to 1.00
Snapdragon.....	2.00	to 3.00	2.00	to 3.00
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 5.00
Gardenias.....	1.00	to 8.00	1.00	to 8.00
Adiantum.....	.75	to 1.25	.75	to 1.25
Smilax.....	8.00	to 15.00	8.00	to 15.00
Asparagus Plumosus, strings.....	.....	to 50.00	.....	to 50.00
" " & Spren. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

New Crop Dagger and Fancy Ferns

\$1.75 per 1000. A-1 STOCK

Discount on Large Orders

Send us your order now for Memorial Day use and get the best stock



CROWL FERN COMPANY

WE NEVER DISAPPOINT
Brilliant Bronze and Green Galax, \$1.00 per 1000, \$7.50 per case.
Boxwood, 15c per lb., or \$7.50 per case.
Bronze Leucothoe Sprays, \$1.00 per 100.
Laurel Wreaths, extra nice, \$3.00 per doz.
Laurel Festooning, the best, \$5.00 per 100 yds.
Branch Laurel, 35c per large bundle.
Sphagnum Moss, \$4.00 per bale.
Bouquet Green, 7c per lb.

MILLINGTON, MASS.

KRICK'S FLORIST NOVELTIES



Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked

1164-66 Grand Ave., Brooklyn, N. Y.

For Sale by all Supply Houses

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs, All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

ROBERT J. DYSART
Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.

Books Balanced and Adjusted
Merchants Bank Building
28 STATE STREET - - - BOSTON
Telephone. Main 58.

been and still remains scarce and in brisk demand. The deluge of lilies continues unabated.

(Continued on page 760)

THE BEST LETTERS

FOR
FLORIST'S
USE



THOSE
MADE
BY THE

Boston Florist Letter Co.

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

Wired Toothpicks

Manufactured by

W. J. COWEE, BERLIN, N. Y.

10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGATHEAS

Agatheas, 2½ in., \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

AGERATUMS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

Ageratum Stella Gurney, strong, 2c. C. H. Jacobs, Westfield, Mass.

The best Blue and White Flowering varieties, 2½ inch pots, 40c. per dozen; \$2.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ALTERNANTHERAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

AMPELOPSIS VEITCHII, 2 year, 18 to 24 inch tops, \$1.75 per dozen, \$12.00 per 100. Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ARACARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengeri, strong 3 in. plants, \$5.00 per 100. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

ASPARAGUS SPRENGERII, 2½ inch pots, \$2.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

AQUATICS

Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ASTER SEED

James Vick's Sons, Rochester, N. Y.
High Grade Asters.
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AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

AUCUBA

AUCUBA JAPONICA VARIEGATA.
This is a grand plant for the center of vases, green foliage with large yellow spots, very showy plants, 2½ to 3 feet high; well branched. 65c. each, \$6.00 per dozen.

AUCUBA JAPONICA BERRIED TYPE.
Dark green foliage, the plant almost hid with bright scarlet berries, plants two feet high; well berried. 75c. each; \$8.00 per dozen.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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A. N. Pierson, Inc., Cromwell, Conn.
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Wood Bros., Fishkill, N. Y.

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Bedding plants in variety; Heliotrope, Fuchsias, Petunias, Salvias, Ageratums, Stocks, etc., 3½ in., 6c.; Coleus, Verbenas, Mme. Sallerol, Golden Feather, Lobelias, Petunias single, 2½ in., 3c. Cash. H. Hansen, Malden, Mass.

Geraniums Nutt, Ricard, Poltevine, Vland, Jaulin and La Favorite, 4 in., \$8.00 per 100. Salvia Bonfire, Heliotrope, English Ivy, 3½ in., \$6.00 per 100. Double Feverfew, 4 in., \$8.00 per 100. White Marguerite Daisies, 3 and 4 in., \$4.00 and \$10.00 per 100. Abutilon Savitzil, 4 in., \$10.00 per 100. Cannas, bronze and green, 3½ in., \$5.00 per 100. Dracena Indivisa, 4 and 5 in., \$10.00 and \$20.00 per 100. Geranium Sallerol, Begonia Vernon, German Ivy, 3 in., \$5.00 per 100. Blue Ageratum, Verbenas and Dusty Millers, 2½ in., \$2.50 per 100. Cash. F. Sokol, Worcester, Mass.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Tuberous Rooted Begonias.
For page see List of Advertisers.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
For page see List of Advertisers.

BOUVARDIAS

Bouvardias, white, pink, 2½ in. pots, ready May 25, \$4.00 per 100. Butz Brothers, New Castle, Pa.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Henry A. Dreer, Inc., Philadelphia, Pa.
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BULBS AND TUBERS—Continued

Joseph Breck & Sons, 47-54 N. Market St., Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.
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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
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Fottler, Fiske, Rawson Co., Boston, Mass.
Begonias, Gloxinias.

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E. S. Miller, Wading River, N. Y.
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CALLAS

Calla Little Gem, strong 2½ in., \$4.00 per 100; thumb pots, \$2.50 per 100.

Geo. H. Mellen Co., Springfield, Ohio.

CANNAS

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Wood Bros., Fishkill, N. Y.
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Poehlmann Bros., Morton Grove, Ill.
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THE NEW HARDY EVER-BLOOMING CARNATION "CRIMSON KING."

Everybody has asked for a Carnation that would live out in the garden during the winter. We have pleasure in offering this new plant, as it will fill the bill. It is absolutely hardy, standing even the Canadian winters in the yard. It blooms all summer long; never a day that you cannot cut blossoms. By potting up in the fall you can have flowers in the house all winter. The color is a rich crimson, the fragrance is delicious. We know of no plant that will give as much satisfaction as the Hardy Carnation Crimson King. 2½ in. pots, per dozen, \$1.25; per 100, \$8.00; per 1000, \$75.00. Twenty-five plants sold at hundred rates; 250 plants at thousand rates.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

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CEMETERY VASES

N. F. McCarthy & Co., Boston, Mass.
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CHRYSANTHEMUMS

Chas. H. Totty Madison, N. J.
Chrysanthemums F. E. Nash and Pioneer.
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Wood Bros., Fishkill, N. Y.
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Elmer D. Smith, Adrian, Mich.
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Shatemuc Nurseries, Barrytown, N. Y.
Pompon Chrysanthemums.
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S. J. Renter & Son, Inc., Westerly, R. I.
Chrysanthemum rooted cuttings. Send
for price list. Wm. Swayne, Kennett
Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums. Enguehard, Bonnaffon, Napier, Polly Rose and Pacific Supreme, strong, healthy 2½-in. plants, \$2.00 per 100; \$18.00 per 1000. Cash. H. E. Mitting, Atchison, Kan.

Chrysanthemum, rooted cuttings, R. Halliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonnaffon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

SMITH'S
CHRYSANTHEMUMS.
WEEKLY BULLETIN.

Prime stock ready for immediate delivery. Price, except where otherwise quoted \$3.00 per hundred, \$25.00 per thousand.

Not less than 25 of a kind at hundred and 250 at thousand rate.

WHITE—Smith's Advance, 50c. each, \$4.00 per ten; \$35.00 per hundred. Polly Rose, Ivory (Indiana \$4.00—\$35.00). Mrs. H. Robinson, Pres. Taft, Mlle. Margaret Desjouis, Mrs. Wm. Arnold, (Lynnwood Hall \$4.00—\$35.00). W. H. Chadwick \$4.00—\$35.00. (White Helen Frick \$5.00—\$45.00). (Thanksgiving Queen, 50c. each, \$4.00 per ten, \$35.00 per hundred), Jeanne Nonin, (Dec. Gem, 50c. each, \$4.00 per ten, \$35.00 per hundred). YELLOW—Golden Glow (Yellow October Frost, \$4.00—\$35.00), Comolleta (Yellow Ivory, \$4.00—\$35.00), (Donatello, \$5.00—\$45.00). Major Bonnaffon (Dolly Dimple, \$4.00—\$35.00), (Roman Gold, 50c. each, \$4.00 per ten, \$35.00 per hundred), (Golden Chadwick, \$5.00—\$45.00). Yellow Mrs. Jones (Nagoya, \$4.00—\$35.00).

PINK—Unaka, 50c. each, \$4.00 per ten, \$35.00 per hundred. Glory of Pacific, Pacific Supreme, Gloria, Pink Ivory, Mrs. Wm. Wincott, (Patty, \$4.00—\$35.00), Minnie Bailey, Maud Dean, Helen Frick.

ANEMONES—WHITE, Garza, Mrs. August Knab. YELLOW, Gertrude Wilson, Lida Thomas. PINK, Ada Sweet, Katherine Simmons, Vayenne. POMPONS—WHITE, Diana, Lula. YELLOW, Baby, Iva, Klondike, Skibo. PINK, Alma. BRONZE, Clorinda. SINGLES—WHITE, Lady Lu. YELLOW, Little Barbee. PINK, Catharine Livingston, Itaska, Lillie Godfrey, Alice Bronson Houston, Mrs. J. A. Peterson. RED, Bishop Henninghaus, Minnesota. BRONZE, Arlee, Peter Pan.

This Bulletin will be changed each week to comply with stock on hand.

Rooted cuttings will be furnished at 50c. per hundred; \$5.00 per thousand less than prices quoted above.

ELMER D. SMITH & CO., Adrian, Mich.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

CLEMATIS

CLEMATIS PANICULATA GRANDI-FLORA, strong, one-year field grown, \$6.50 per 100, \$60.00 per 1000.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

10,000 Clematis paniculata seedlings (I grow my own seed), \$7.50 per 1000. Clematis paniculata, out of 2-in. pots, \$20.00 per 1000. Cash with order.

S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

CLEMATIS—Continued

Clematis paniculata from 2 in. pots, \$2.50 per 100; \$20.00 per 1000. Cash. H. G. Norton, Perry, Ohio.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

All the leaders, except yellow foliaged varieties, 2¼ inch pots, \$2.00 per hundred; \$18.00 per thousand.

Coleus, yellow foliaged varieties, 2¼ inch pots, \$2.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CONIFERS

Eastern Nurseries, Jamaica Plain, Mass.
For page see List of Advertisers.

COREOPSIS

COREOPSIS LANCEOLATA GRANDI-FLORA.

Invaluable for cutting; field plants divided, \$2.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
For page see List of Advertisers.

We offer twenty of the choicest varieties of Crotons, suitable for bedding, 2¼ inch pots, 60c. per dozen; \$4.00 per hundred; \$35.00 per thousand.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

CYCLAMEN GIGANTEUM.

The finest strain, 2¼ inch pots, \$4.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CYPERUS

Cyperus alternifolius, \$3.00 per 100. Geo. H. Mellen Co., Springfield, Ohio.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

Shatemuc Nurseries, Barrytown, N. Y.
For page see List of Advertisers.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, 750,000 clumps to offer. Send for list of your wants to the Eastern Dahlia King, J. K. Alexander, E. Bridgewater, Mass.

DAHLIAS—Continued

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

In 50 best varieties, all classes and colors; divided field tubers, 75c. per dozen; \$6.00 per hundred.

Dahlias, green plants from 2¼ inch pots. These will bloom best of all, in 100 leading varieties, 50c. per dozen, \$4.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

DAISIES

Daisies, Marguerites, 4 and 4½-in., nicely budded, \$10.00 per 100. Cash.
John Fuhlbrugge, Winona, Minn.

DAISY SHASTA

From 2¼ inch pots, \$3.00 per hundred. Field Grown plants, 75c. per dozen; \$6.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.
For page see List of Advertisers.

John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

DRACAENAS

Dracaena indivisa, 4 in., \$8.00; 5 in., \$18.00 and \$20.00; 6 in., \$25.00 and \$30.00 per 100. C. H. Jacobs, Westfield, Mass.

Dracaena Indivisa, extra good stock, 6-in., \$6.00 per doz.; 5-in., \$4.00 per doz.; 4-in., \$2.50 per doz. Vinca, variegated, 4-in. pots, \$10.00 per 100. Cash. Chas. H. Green Spencer, Mass.

Dracaena Indivisa, 5 in., 25c.; 5½ and 6 in., 35 to 50c.; 7 and 8 in., 75c. to \$1, and larger ones \$1.50 to \$2.00. Cash. H. Hansen, Malden, Mass.

DRACENA INDIVISA

From 2¼ inch pots, \$3.00 per hundred. Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, West Newbury, Mass.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechsli, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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In writing to Advertisers kindly mention Horticulture

FERNS—Continued

Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson,
N. Y.
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Thomas Roland, Nahant, Mass.
Boston and Scotti Ferns.
For page see List of Advertisers.

Boston ferns, large 6 in. plants, 50c. each.
Edw. Doege, 4344 N. Springfield Ave.,
Chicago, Ill.

Anderson's ferns for in and outdoors.
Largest commercial collection in the country.
Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N.J.

Fine stock from 2½ inch pots, ready now.
NEPHROLEPIS ROOSEVELT (the Fountain Fern).

(New). See display advertisement in the May 13th issue of HORTICULTURE, page 709. The grandest of all ferns. We book your order now for June 1st delivery. \$3.50 per dozen, \$25.00 per hundred, \$200.00 per thousand.

NEPHROLEPIS BOSTONIENSIS (the Boston Fern), \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS DAVALLOIDES FURCANS (the Fish Tail Fern), \$4.00 per 100.

NEPHROLEPIS GOODII (the Baby's Breath Fern), an improved Amerophyll. \$1.00 per dozen, \$7.00 per hundred.

NEPHROLEPIS SCOTTII (the Newport Fern), \$4.00 per hundred.

NEPHROLEPIS SPRINGFIELDII (the Springfield Fern), upright fern for vases, \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS SUPERBISSIMA (the Fluffy Ruffles Fern) (New), \$1.00 per dozen, \$6.00 per hundred.

NEPHROLEPIS WHITMANII (the Os-trich Plume Fern), \$3.50 per 100.

NEPHROLEPIS HARRISII (the Harris Fern), a sport from Boston of stiff, upright growing habit, \$4.00 per 100, \$35.00 per 1000.

For larger size ferns write for prices. Our new trade list of everything you need now ready. Mailed on application. Write today.

**IMPORTANT SPECIAL NOTICE.
PRICE ADVANCE.**

The heavy demand from those who have seen Nephrolepis Roosevelt growing on our place and scarcity of stock compels us to advance the price on all orders dated after June first, to the following: Two and one-fourth inch pots, 50 cents each; \$4.50 per dozen; \$35.00 per hundred; \$300.00 per thousand. It is our belief the price of Nephrolepis Roosevelt for 1911 will be maintained during the season of 1912.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock
Yards, Chicago, Ill.
Wizard Brand Cattle Manure.
For page see List of Advertisers.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FEVERFEW

Feverfew, \$2.50 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

FICUS**FICUS ELASTICA**

Rubber plants, fine stock, \$4.00 per dozen; \$30.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St.,
Boston, Mass.
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W. C. Krick, 1164-66 Greene Ave., Brook-
lyn, N. Y.
Immortelle Letters.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT BASKETS AND CRATES

Webster Basket Co., Webster, N. Y.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh,
mailed to your address for 55 cents by
Horticulture Publishing Co., 11 Hamilton
Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broad-
way, Detroit, Mich.

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Kervan Co., New York.

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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh,
Maryland.

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John McKenzie, North Cambridge, Mass.
Best Standard Varieties.

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Geraniums, Mme. Sallerol, 2½-in., strong
cool grown plants, \$2.00 per 100; special
price on 1000.

J. L. Stone, Trumansburg, N. Y.

Geraniums, our selection, 3 in., \$4.00 per
100; 2 in., \$2.00 per 100; \$18.50 per 1000.
Over 100 varieties. Send for catalogue.
A. D. Root, Wooster, O.

Geraniums, leading varieties: Ricard,
Nutt, Poitevine, La Favorite, Montmort,
etc., at \$7.00 per 100; in bud and bloom.
Cash. H. Hansen, Malden, Mass.

Geraniums, Double New Life, and Mrs.
Taylor, strong 2½-in., \$3.00 per 100. Snow-
storm (silver leaved), \$4.00 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

Geraniums: Mme. Sallerol, strong stock,
2 in., \$1.75; 3 in., \$2.75. Viaud, Buchner,
Nutt, in bud and bloom, 3 in., \$4.00; 4 in.,
\$6.00. Cash. Satisfaction guaranteed.
Round Lake Greenhouses, East Lenox, Pa.

Mme. Sallerol Geraniums, 2½-in. pots,
\$3.00. Asters, Queen of Market, American
Branching, Giant Comet in dark blue, light
blue, white, pink and crimson; Crego pink
and white, \$1.00. J. B. Shurtleff & Son,
Revere, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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politan Ave., Brooklyn, N. Y.

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Greenhouse glass, lowest prices. John-
ston Glass Co., Hartford City, Ind.

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H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.

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GLOXINIAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.

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GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish foods, nets,
etc., wholesale. Franklin Barrett, breeder,
4815 D St., Philadelphia, Pa. Large breed-
ing pairs for sale. Send for price lists.

GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset,
Boston.

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King Construction Co., N. Tonawanda, N. Y.
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Foley Mfg. Co., Chicago.

Pecky Cypress for Benches.

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Lord & Burnham Co.,

1133 Broadway, New York.

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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

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Lord & Burnham,

1133 Broadway, New York.

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King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America.
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28 and 40 Broadway, Detroit, Mich.

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Crowl Fern Co., Millington, Mass.

New Crop Fancy and Dagger Ferns.

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Lord & Burnham Co.,

1133 Broadway, New York.

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HELIOTROPES

A. N. Pierson, Inc., Cromwell, Conn.
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Dark blue Heliotrope, 3½-inch, extra bushy, in bud and bloom, \$6.00 per 100.
C. H. Jacobs, Westfield, Mass.

HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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H. A. Dreer, Philadelphia, Pa.

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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

HYDRANGEA ARBORESCENS GRANDIFLORA ALBA (Hills of Snow) (New), 2-year-old field grown, 3 to 5 canes, \$2.00 per dozen, \$12.00 per hundred.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stump & Walter Co., New York.
Kiln-dried Tobacco Dust.
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Aphine.
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To-Bak-ine Products.
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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.
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GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.

IVIES**HARDY ENGLISH IVY.**

3 plants out of 3-in. pots, 12 to 16 in. long, \$5.00 per 100. Cash with order.
S. V. Smith, 3323 Goodman St., Philadelphia, Pa.

German Ivy, 2½-inch, \$2.00 per 100; 3-inch, \$4.00 per 100. C. H. Jacobs, Westfield, Mass.

ENGLISH IVY

From 2½ inch pots, 50c. per dozen; \$4.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

JASMINES

Jasmine Maid of Orleans, 2½-In. strong plants, 6 to 10 in. high, \$4.00 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

KENTIAS

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE
Home Correspondence School, Springfield, Mass., Dept. 8.
For page see List of Advertisers.**LANTANAS**

Lantanas, in variety, \$3.00 per 100. Weeping lantanas, 2½-in., \$3.00 per 100; \$25.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.

Best Dwarf Bedders, five distinct colors, 50c. per dozen; \$3.00 per hundred.
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THE GOOD & REESE CO.
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMONS

American Wonder lemon, 2½-in., \$3.00 per 100; 4-in., \$15.00 per 1000.
Geo. H. Mellen Co., Springfield, Ohio.

PONDEROSA LEMON

Gigantic fruit, 2½ inch pots, 50c. per dozen; \$3.00 per hundred.

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THE GOOD & REESE CO.
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMON VERBENAS

ALOYSIA CITRIODORA (Lemon Verbena). The foliage has a decided lemon fragrance, 2½ inch pots, 50c. per dozen; \$3.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LILIAM MULTIFLORUM AND GIGANTEUM

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LILY OF THE VALLEY CLUMPS

Wm. Elliott & Sons, New York.

LOBELIAS

Lobelia K. Mallard, good ones, 2½ in., 2c. J. Clint McPherson, Carrollton, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MEMORIAL DAY SUPPLIES.

Henry M. Robinson & Co., Boston, Mass.
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MOON VINES

Godfrey Aschmann, Philadelphia, Pa.
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Moonvines, white, \$3.50 per 100; \$30.00 per 1000.

Geo. H. Mellen Co., Springfield, Ohio.

IPOMEA MAXIMA, the giant flowering, flowers twice the size of the old variety. Order now as there are never enough moonvines to go around. 2½ inch pots, \$4.00 per 100; the old variety, \$3.50 per 100.

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THE GOOD & REESE CO.
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

MYRTLE

STRONG FIELD-GROWN PLANTS.

\$2.50 per 100; \$22.00 per 1000.

E. K. MOONEY.

MADEIRA NURSERIES, MADEIRA, O.

NICO-FUME

Kentucky Tobacco Product Co., Louisville, Ky.

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NIEREMBERGIAS

Nierembergia Gracilis, exquisite for porch boxes, vases, baskets, etc. In bud and bloom \$1.00 doz., \$5.00 per 100. The Union City Greenhouses, Union City, Pa.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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Hardy, Northern Grown Stock.
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Eastern Nurseries, Jamaica Plain, Mass.
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McIntichison & Co., New York, N. Y.
Direct Importations.

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TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORANGES**OTAHEITE ORANGE**

2½ inch pots, 50c. per dozen; \$3.50 per hundred.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
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Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.

Wanted—To buy orchids, established or unestablished plants, any quantity for cash. E. L. N., 486 Broad St., Providence, R. I.

Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.
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Julius Roehrs Co., Rutherford, N. J.
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Joseph Hancock, Wyncote, Pa.
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in. \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

In writing to Advertisers kindly mention Horticulture

PASSIFLORAS

Passiflora Pfordti (blue), \$3.00 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock
List ready. C. Betscher, Canal Dover, O.

Write for our special price list on
peonies. We have all the good ones. Our
new trade list of everything you need now
ready. Mailed on application. Write today.
THE GOOD & REESE CO.,

The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

Single petunias, Dreer's finest, 2½ in.
pots, \$2.00 per 100. L. R. Bell, Manlius,
N. Y.

Petunias. Single, fringed California
Giants, transplanted in soil, cool grown,
\$1.50 per 100; \$14.00 per 1000. E. V. B.
Felthousen, 184 Van Vrauken Ave., Schenec-
tady, N. Y.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PHLOX

We offer fifty thousand hardy phlox in
10 leading varieties, all colors, field
grown plants, \$3.00 per hundred, \$27.50
per thousand. Our new trade list of
everything you need now ready. Mailed
on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."
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Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.
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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

Chinese Primroses from finest strain,
2½ inch pots, 50c. per dozen; \$3.50 per
hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

RHODODENDRONS

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Henry A. Dreer, Inc., Philadelphia, Pa.
Potted Roses for Outdoor Planting.
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Montrose Greenhouses, Montrose, Mass.
Own Root White and Pink Killarney and
Aaron Ward.

Wanted—Rose plants of any kind. Mel-
rose Garden Co., 90 Melrose St., Provi-
dence, R. I.

S. J. Reuter & Son, Inc., Westerly, R. I.

SALVIAS

A. N. Pierson, Inc., Cromwell, Conn.
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Salvias, scarlet and dwarf scarlet, \$2.50
per 100, \$20.00 per 1000.
Geo. H. Mellen Co., Springfield, Ohio.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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Asparagus Plumosus Nanus Seeds.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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C. H. Gardiner, South Pasadena, Calif.
Asparagus, Guava and Smilax Seeds.
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SNAPDRAGONS

Snapdragon Walke Seedling, pink, first
prize National Show. Rooted cuttings,
\$2.00 per 100. Cash. Ready now. 2½ in.
pots in June, \$5.00 per 100. Loring Ave.
Conservatories, Salem, Mass.

SOLANUMS

Solanum jasminoides, \$2.50 per 100; \$20.00
per 1000.
Geo. H. Mellen Co., Springfield, Ohio.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Durrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.
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STRAWBERRY PLANTS

"Dewdrop," ever bearing, largest in the
world, color rich crimson, no green tips,
combines flavor of pineapple and wild
strawberry, unexcelled shipping qualities.
Free circular. H. F. Dew, Albion, Mich.

SWAINSONAS

Swainsonas, pink and white, \$3.00 per 100.
Geo. H. Mellen Co., Springfield, Ohio.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
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Booking orders for tomatoes in 2-in., \$1.00
per 100; 2½-in., \$1.50 per 100; 3-in., \$2.00
per 100. Also other vegetables and bedding
plants. Guaranteed all satisfactory.
H. Klahr, Schobarie, N. Y.

Spring grown Jersey Wakefield cabbage
plants, transplanted and cold frame hard-
ened. Extra fine stock, 50c 100, \$4.00 1000.
Russell Bros., R. D. No. 4, Syracuse, N. Y.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
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VERBENAS

Finest seedlings from 2½ inch pots, \$2.00
per hundred.
Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

VINCAS

Vinca variegata, 2 inch, 2 cts.; rooted
cuttings, \$1.00 per 100. Russell Bros., R.
4, Syracuse, N. Y.

Vinca variegata, very strong field stock,
4½ in., 6 to 10 leads, \$7.00 per 100; 10 to 25
leads, \$10.00 per 100; 3 in. pots, 3 to 6
leads, \$4.00 per 100. L. R. Bell, Manlius,
N. Y.

VINCA VARIEGATA

4½-in., strong, bushy plants,
\$15.00 per 100; \$145.00 per 1000.
Strong 2½ in., \$2.50 100; \$20.00 1000.
Cash with order.

H. HANSEN, MALDEN, MASS.

VIOLETS

Violets, hardy English or Russian, \$6.00
per 100; Princess of Wales and California,
\$3.00 per 100.
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WIREWORK

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Conserve Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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Wilson Plant Oil and Fertilizer Co., New
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Obituary**Charles F. Mielenz.**

Charles F. Mielenz, florist, Troy, N. Y., died at his home on April 25. He was born in Germany sixty-five years ago. A widow, one son and three daughters survive him.

Ella Wende.

Ella, the little nine-year-old daughter of Oscar Wende, one of the gardeners at Washington Park, was killed by a street car on Sunday, May 14th, near her home, 6751 S. Paulina street, Chicago. The father was carrying the child a bunch of flowers when the sad news reached him.

May E. Campbell.

Miss May E. Campbell, associated with her mother in the florist business at 1638 Federal street, Philadelphia, died suddenly on the 7th inst. after an operation for appendicitis. Miss Campbell was well-known and popular in the trade and a familiar figure in the wholesale markets, as she did most of the buying for the business.

Gustav Peters.

Gustav Peters, though not a florist in his early life, made the handling of cut flowers his occupation for thirty years and until failing health caused him to retire he had a stand in E. C. Amling's wholesale store. Mr. Peters was born in Germany, 71 years ago in

June, and spent all his childhood in the fatherland. With his son-in-law, Chas. Arnold, he successfully managed his greenhouse plant at Desplaines, Ill. He died May 12th and the funeral was from the home at 1515 Larabee street, Chicago, May 15th. He is survived by a wife and daughter.

J. R. Tranter.

A noted British nurseryman has lately passed away in the person of Mr. J. R. Tranter, of Henley-on-Thames. For many years the deceased had been a familiar figure at the leading horticulture shows. As a dahlia raiser his variety, Mrs. Tranter, has come prominently to the front, besides others. Mr. Tranter was a member of the Committee of the National Dahlia Society, and a chief exhibitor at the Society's shows. He also raised the chrysanthemum, J. R. Tranter, which has gained favor amongst growers in America.

W. H. A.

B. Latour-Marliac.

B. Latour-Marliac, Tempie-sur-Lot, France, died a few weeks ago, aged eighty years. He was well known as

**B. LATOUR-MARLIAC.**

a hybridizer of nymphaeas, some of the best known and most valuable varieties being the result of his forty years' work. His son will carry on the business.

Tina Schenck.

This little girl, three years old, only child of Mr. and Mrs. Charles Schenck and the pet of the neighborhood, met with a sudden death on May 10, from injuries received from the falling of a large flower pot upon her head from an upper floor window sill at 1590 Amsterdam Ave., New York. The child was on the sidewalk with her go-cart, under the care of a maid when the accident occurred. Mr. Schenck is of the firm of Traendly & Schenck, wholesale florists, and nothing has happened for years which has drawn out the deep sympathy of the florist trade as has this lamentable calamity.

Clarksville, Tenn.—The wind and hail storm of April 29 broke about 800 lights of glass in the greenhouse of James Morton.

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Flower Market Reports.

(Continued from page 750.)

The market opened CINCINNATI up last Monday with a brisk demand. From Tuesday to Thursday, inclusive, there was a decided falling off in trade, while on Friday and Saturday there was a reawakening in the demand, the market closing very strong. Mothers' day can be given most of the credit for the best week's end business since Easter. The demand from out-of-town for white carnations was exceptionally heavy and price ruled very firm. A little more than a sufficiency of roses is apparent. Many have to be moved in job lots. The supply of long Beauties is far in excess of the demand, while the short ones are relatively scarce. Callas are next to immovable, but lilies meet with a fair request. Outdoor lily of the valley has affected the sale of indoor stock. Local grown peonies have made their appearance and if the present mid-summer weather continues most of the earlier varieties will have finished blooming by Decoration Day.

A brisk business PHILADELPHIA was done the latter part of last week in flowers suitable for boutonnieres, such as gardenias, sweet peas, carnations, etc. The early part of the week was nothing extra. Red carnations sold poorly and roses of all kinds were rather sluggish. There was no extra demand for orchids, callas or lilies. The demand seemed to be all for the lower-priced classes of flowers except in one or two instances. For example, while good long-stemmed sweet peas sold well there was nothing doing in shorts of this popular flower—and the supply of shorts preponderated. Outdoor flowers such as lillac, tulips, irises, yellow alyssum, etc., sold fairly well, but at very low prices. The prospects for peonies for Memorial Day have improved.

The market was again ST. LOUIS glutted up with extra fine stock and everything seasonable could be had by the thousands. Business has not been so good, a great many of the retailers complaining of dull trade. On Saturday and Sunday quite a little business was done for Mother's day. It looks as though this week is going to see another big glut.

A cut rate war is being SYRACUSE ing carried on here by some of the florists. Roses and carnations are advertised at 35 cents per dozen; how long it will continue remains to be seen—there can't be much money in it at those prices. The school children this year are asked to give plants in place of cut flowers for Memorial Day. This

Landscape Gardening



PROF. CRAIG

A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250 page catalogue free. Write to-day

The Home Correspondence School

Dept. H, Springfield, Mass.

HELP WANTED

WANTED—A sober and industrious all-round man in a retail florist establishment where a general variety of stock is grown. If married, no family. Geo. E. Felch, Ayer, Mass.

WANTED about July 1, a first-class carnation man. Must be young, single and absolutely temperate. A growing place for the right man. References required. C. G., care HORTICULTURE.

HELP WANTED—An experienced plant grower to work under foreman; send references and wages expected to Thomas Roland, Nahant, Mass.

SITUATIONS WANTED

GARDENER

English, married, one child 4 years, wants position as second in large establishment; excellent references.

E. SMITH, care Ralph Dalton, WELLESLEY, MASS.

SITUATION WANTED by married man American, as all around greenhouse man where a general variety of plants are grown; 15 years experience; 5 years in present place; quick, sober and reliable; two children under 4 years. First class references. Address Rainey, care of HORTICULTURE office.

ENGLISHMAN, for past ten years head gardener in England, age 31, seeks situation, private or otherwise. Experienced in all branches, inside and out. Willing to be "under" at good establishment. Excellent references. W. C., care HORTICULTURE.

FOR SALE

BOILER FOR SALE.

A Hodge make of East Boston tubular steam boiler in use a few months only, and in splendid condition. Length 13 ft. 4 in., diameter 40 in., 2 in. tubes, modern rocker grate, and complete front and all irons for bricking in. Price, loaded on your team here or on cars, \$100.00—and it is worth \$400.00. W. C. Ward, 577 Adams St., E. Milton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write PARSHESKY BROTHERS, INC., 80 Montrose Ave., Brooklyn, N. Y.

BUSINESS CHANCES

PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conservative, care HORTICULTURE.

is a new departure, and will doubtless be appreciated by many who have outside flowers, as too often their gardens have been raided the night before. Beds of tulips and lilac bushes have suffered grievously. Mothers' day was not observed here by the wearing of carnations. Some ministers preached on "Mother" and that was about all it amounted to.

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

Pearson Street,
LONG ISLAND CITY, N. Y.

WRITE FOR CATALOGUE AND DISCOUNTS

A. H. HEWS & CO., Inc.

Main Office and Factories
CAMBRIDGE, MASS.



Manufacturers of all kinds of Fruit Baskets and Crates. Write for catalogue and price list.

Webster Basket Co. 80X 730 WEBSTER,
MUNROE CO. N. Y.

DURING RECESS.

A Good Time at Tuxedo.

The New York Florists' Club bowling team favored the Tuxedo boys with a return match on Wednesday, May 10th. Somehow the Tuxedians managed to win over the New York experts. Fred Barth carried off the prize for highest score, given by Mr. Ebel. The scores were as follows:

TUXEDO PARK.	NEW YORK.
E. Barth... 121 125	Manda 142 166
G. Thomson 130 128	Richards .. 135 135
D. S. Miller 136 143	Kakuda ... 103 113
A. Fischer. 131 129	Scott 138 116
F. Barth... 219 209	Chadwick.. 149 172

The Tuxedo H. S. bowling team will play a return match with the New York Florists' team at Thum's Alleys, Saturday, May 27th.

New York Bowlers.

Scores recorded Friday evening, May 11, were as follows:

Ch'dw'k, 202 191 186	Kakuda, 140 104 127
Manda, 166 196 169	A. R'k's, 176 150 157
Scott, 179 162 138	Shaw, 117 145 182
W.R'k's, 130 171 142	Nugent, 99 109 117

DECORATED FIREMEN'S GRAVES.

The Fire Department of Washington, D. C., has a pretty custom, worthy of emulation elsewhere, of decorating the graves of firemen. In accordance with this custom established four years ago by the then chief, Wm. T. Belt, his successor, Chief Frank J. Wagner, and a detail of men from all the fire stations went, with supply wagons, to the cemeteries where firemen are buried and strewed their graves with flowers. Sixty-eight graves of former firemen were decorated in Washington, Maryland and Washington cemeteries. F. J. DYER.

NEWS NOTES.

Syracuse, N. Y.—Henry Burt has purchased the Benedict greenhouse.

Rhinebeck, N. Y.—The greenhouses of Julius Lown have been purchased by George D. Fritz.

Landenberg, Pa.—George M. Baldwin has purchased the greenhouse plant of George M. Chandler.

Columbia City, Ind.—Benjamin Litman, formerly with Heller Bros., New-castle, has leased the Noble greenhouses for a period of ten years.

Pasadena, Cal.—H. F. Prentice of Long Beach has contracted for a three-acre tract in the southeast section of the city on which he will establish a greenhouse and raise cut flowers.



FOR DECORATION DAY AND ALL OTHER DAYS USE ARTSTONE FLOWER VASES

Artstone Vases do not, like iron, become so hot in midsummer as to burn the plants. Artstone is indestructible from exposure, while iron soon rusts, and marble gradually discolors and decays. Flowers, like gems, require appropriate settings. The artistic beauty of these creations attracts admiration and lends a touch of quiet elegance to the surroundings. They serve to enhance the beauty of the Lawn or Porch wonderfully. Popular also for Cemetery decoration. Bird baths and Sun dials made to order.

PATRICK GRACE, 55 Union St., BRIGHTON, MASS.

DREER'S "Riverton Special" Plant Tub



No.	Diam.	Each	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	50.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	8 in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs and Supplies, 714 Chestnut Street, Philadelphia, Pa.

Hawley Cemetery Vase



The Hawley Glass Cemetery Vase,—flared top, 5½ inches in diameter, 9 inches deep, inside measure, with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase, No. 1 in both green and white enamel, 6½ inches deep and four inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6½ inches deep 3¼ inches diameter and a four inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Also, "Stone Cemetery Vases" in blue only. These are 6½ inches deep, 4½ inches in diameter with a four inch spike. Price \$1.50 per dozen.

N. F. MCCARTHY & CO.,

84 Hawley Street
BOSTON, MASS.

Write for Catalogue

Tree tubs and brass
hoop Jardiniers
with extension stave foot

The American Wooden-
Ware Mfg. Co.,
Toledo, Ohio, U. S. A.



In ordering goods please add "I saw it in HORTICULTURE."

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2in pots in crate \$4.88	144 6 in. pots in crate \$3.20
1500 2½ " " 5.25	120 7 " " 4.00
1500 3 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3½ " " 5.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
450 4½ " " 5.24	24 11 " " 3.60
340 5 " " 4.51	24 12 " " 4.80
210 5½ " " 3.78	12 14 " " 4.80
	6 16 " " 4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

HILLFINGER BROS., Pottery, Fort Edward, N.Y.
August Holker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

W. H. ERNEST

28th & M Sts.,

Washington, D. C.



ALL THE CLAY
FOR OUR
Florist's Red Pots
is prepared by passing
through a screen 1600 meshes
to the square inch. If in a
hurry for pots, order from us.
THE PETERS & REED POTTERY CO.
Zanesville, Ohio

"INSECTS."

A paper by M. C. Ebel, read before the N. Y. Florists' Club, May 8, 1911.

An intelligent discourse on insects is always interesting to florists and gardeners, but when one is limited to a ten-minute discussion on so important a subject, as I have been by your essay committee, it does not permit of any broad presentation of all that might be said respecting the many insect pests so troublesome to those engaged in any branch of floriculture, and will afford me no opportunity to say what I might like to regarding some of the two-legged bugs we daily encounter.

In approaching your committee to learn what they had in mind when they called on me as to just what points they desired to have me elucidate I was informed that they were thinking of insecticides, but that their modesty restrained them from placing any limitation on me, and, as there would be no insecticides were there no insects, they gave me the entire field to talk on, all providing, however, that I would restrict myself to the time limit if I should attempt to cover it all. As the treatment of insects is more within my line than the cultivating of them, I will confine myself to some of the methods for their control. My experience has taught me that entirely too little thought and consideration is given by the grower to this important feature of the business, and the neglect of this at times causes them serious loss, which might easily be overcome by a little more attention to the preventing of insects getting a foothold on their plants. In every other branch, the progressive growers are alive to the new conditions and methods employed and keep themselves in tune with the times, but when it comes to controlling insects it appears that too many of them find that their grandfather's ways are still good enough for them. But plants are very much like the human being, who is not content to bear only what his forefathers suffered,—they are continually producing new diseases and insects and it is essential that the florist or gardener who is ambitious to rank with the successful of his profession should study this important phase of plant culture as he does the temperatures and fertilizing, etc.

Some growers prefer fumigating or vaporizing, and others spraying, as a means of insect control. From the results that are being obtained there is little doubt that both remedies are effective when properly applied, but improper applications, no matter how good the material employed may be, must result in failure, and carelessness oftentimes is the chief contributor when bad results are obtained. Both the methods referred to have their special merits, fumigation being more generally regarded as the most economical from the labor saving standpoint. But on many of the large places spraying is being resorted to more and more, for it is found to be the less harmful to plants, and with proper system the labor of an establishment can be so engaged in the work without additional cost above that of fumigating; in other words, when everything is done in its time and place spraying can be made one of the routines of the regular work in

a house. Fumigating requires the filling of a house, while spraying is necessary only in that part of the house where the pests have taken a hold, when cures are sought. Still, every grower should bear in mind that "an ounce of preventive is worth a pound of curative" and nowhere can this old adage be more truly applied than in the control of insect pests. Our most successful growers no longer wait for the insects to put in appearance but fumigate or spray regularly to keep the pests down, as they realize that clean plants make healthy growths. Too much care cannot be exercised in the use of insecticides to obtain proper results. Many men are satisfied to make a guess at the proportions required and will not take the trouble of careful measuring and then when failure, or worse, injury results, the remedies are immediately blamed and the careless management of those entrusted with the work seems seldom to be considered. Fumigation and spraying is regarded by too many as only boys' work, although no careful grower would set an apprentice at work to attend to the fertilizing of his houses and it certainly does not seem that one of these departments in the growing of plants is of much less consequence than the other. It must be admitted that much more attention is given today to the proper means and methods of insect control than has ever been the case in the past, and it is also true that the means for their control are more effective than they have been heretofore; but by no means has perfection been attained and great opportunity is still at hand for further improvement to those who are giving thought and study to the ravages which result in the loss of millions of dollars yearly in the horticultural and agricultural industries of this country.

To substantiate some of my assertions of the laxity found among so many growers in the treatment of insect pests, I recently came across a grower in charge of a large range of glass who condemned one of our products, because he could not get the results his neighbors were getting, as not being a uniform material. On investigating I found that he had misunderstood the directions given him by a neighbor and was using the product at half the strength prescribed.

A similar complaint came to us from one of the well-known estates of this part of the country. A visit to the place, and an investigation, found that the man entrusted with this work was trying to make a gallon reach for an area of glass for which two gallons were required. His superintendent now sees to it that he uses the necessary quantity to obtain effective results.

Most of you here are familiar with the unfortunate experience which Aphine suffered shortly after it was placed on the market, due to the placing of too much responsibility on a man whose capabilities were overestimated, and who, for some unaccountable reason, never uncovered, appeared not to be satisfied with the good thing he had but continued to experiment until it practically resulted in disaster. While the experience was a costly one and the reputation of the remedy at the time was badly shat-

tered, persistency, however, has been rewarded. For more than a year it has proven to the most critical experts that its merits are equal to all that has ever been claimed for it. Now that it has fully recovered its reputation I want to thank those who, having had faith in the product and knowing all the circumstances connected with the unfortunate encounter did not lose confidence in it, and especially the trade papers, for their impartial attitude and fairness at a time when 'the power of the press' meant much to us.

PROTECTING WASHINGTON'S SHADE TREES.

The Department of Agriculture is preparing for an onslaught upon tree pests just as soon as it is thought the leaves are sufficiently mature for the best results to follow spraying. The terrapin scale on tulip poplars, and caterpillars infesting other shade trees are to be fought by means of a new spraying outfit which has been ordered. It is reported here that the Denver park commission began spraying early in February. Several times the cry has been raised that the gypsy moth had invaded Washington. Thus far, however, according to the entomologists, the worst foe to the capital's shade trees has been the tussock moth caterpillar. The most satisfactory campaign against this pest has been to band the trees with cotton or some other soft, fuzzy material which the larvae cannot cross. This year an arsenate of lead spray is to be made use of.

F. J. DYER.

Mason, Mich.—Mrs. C. M. Sanderson has purchased a lot on North B street to allow of an addition to her plant.

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The best of all
the tobacco
dusts for



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25 lbs. \$1.00	100 lbs. 8.00	1000 lbs. \$27.00
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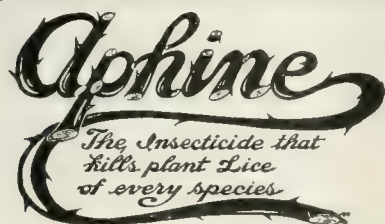
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CHEAPEST.

JUST NOTE PRICE!

Pint.....\$ 1.50
1/2 Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

**"FUNGINE"**

**An infallible remedy for mildew,
rust, and other fungus diseases.**

The Cedar Hill Gardens,

Sea Cliff, N. Y., May 8, 1911.

"I take pleasure in telling you that after having tried Aphine according to your directions, I have personally found Aphine better for black aphids on violets and mums than the Hydro Cyanide Gas, being less dangerous for the plants, as well as for the operator, and doing the same work with equal efficiency. I have not tried Fungine myself, but followed its use day after day at one of my customers' carnation and rose houses. The gardener agrees with me, and all the greenhouse men, that Fungine is a grand preventive, as well as the best destroyer of mildew and carnation rust, if applied properly. It does all it is recommended to do. We cannot be without it in rose houses."

T. H. POLBOS

Volcano Greenhouses,

Nevada, Mo., May 9th, 1911

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E. D. PIERCEY, Mgr.

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"We have tested the Aphine sent us and the results were very satisfactory. We used Aphine according to directions for black aphids and find all aphids killed on first application. We have full faith in Aphine."

F. W. UDE & SON.

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Use any form you choose but buy it of

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Non-corrosive. Usual effective strength, one to thirty-two.

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DEMING SPRAYERS

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*green Flies and
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"Temperatures Easily Maintained; Fires Only Once at Night"

We have at present 1500 sq. ft. of glass and think this boiler will take care of 25000 sq. ft. of glass, at 52° in greenhouses. We have no trouble in maintaining proper temperatures, and fire but once at night. We put in the piping system according to your plan in three new houses. The two old houses we left the way they were, which caused us some trouble. We will change pipes this summer according to your plan, and will then have no trouble. Your piping plan is fine, and the Generator works well; in fact, we could not have done without it on account of the piping in the old houses. WENSEL & HECHT, Anglum, Mo.

KROESCHELL BROS. CO., 466 W. Erie St., Chicago, Ill.

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GREENHOUSES BUILDING OR CON-TEMPLATED.

Portland, Ore.—J. L. Hartman, addition.

Provo City, Utah—F. A. Huish, one house.

Rochester, Ind.—J. H. Shelton, one house.

Trenton, N. J.—Herman Fink, one house.

Kalamazoo, Mich.—Fred Betka, two houses.

Pittsfield, Me.—A. J. Loder, two houses.

Agawam, Mass.—Mark Aitken, house, 40 x 160.

Jefferson City, Mo.—Hugo Busch, addition.

Northville, N. Y.—C. R. Schroelder, addition.

El Paso, Tex.—B. Barlow & Bro., one house.

Lawndale, Cal.—Speakman Bros., one house.

Coeur d'Alene, Idaho—Adolph Donart, addition.

Kingman, Kan.—Riggs & Johnson, house, 16 x 100.

Wakefield, R. I.—John Cirwein, range of houses.

Newington Junction, Conn.—Louis I. Barton, one house.

Kirkwood, Mo.—J. Cerney, two houses, each 32 x 100.

Des Moines, Iowa—James S. Wilson Floral Co., four houses.

Winnipeg, Man.—H. Philpott, conservatory, Foley, material.

Spirit Lake, Idaho—W. G. Holmes and John Quame, house, 16 x 100.

New Brunswick, N. J.—Experiment Station, range of houses to cost \$30,000.

West Hampton, Long Island, N. Y.—W. F. Jagger, two houses, each 55 x 125.

Cloquet, Minn.—The school board is planning to build a greenhouse on ten acres of land recently purchased near the city.

Libertyville, Ill.—Meredith Floral Co., show house, 20 x 82 feet, three growing houses, 27½ x 200 feet, and one 35 x 90 feet.

Streaton, Ill.—W. C. Hill Floral Co., house 20 x 100 feet; L. M. Mason, house 33 x 150 feet; O. A. Fanning, house 40 x 200 feet; Gilbert Bros., addition.

Rochester, N. Y.—Plans for a "show" house for Highland Park have been accepted. There will be three main houses fronting on Reservoir avenue and back of these two propa-

gating houses. This range is a memorial to Alexander B. Lamberton.

Portland, Ind.—W. Frank & Sons are building three 300 feet houses. They are using "Advance" goods throughout, fittings and ventilators. The ventilating machines in these houses are equipped with the new "Advance twist-less" arm. This is one of the first jobs on which this new mechanical device has been used and it is proving itself very successful in every detail.

INCORPORATED.

Stamford, Conn.—The Frost & Bartlett Co., foresters.

Waco, Tex.—The Waco Nursery Co. has filed an amendment decreasing its capital stock from \$32,000 to \$24,600.

Beuchel, Ky.—The Bardstown Road Floral Co., capital stock \$8,000. Incorporators, Pratt A. Reynolds, Margaret H. Struck, H. J. Marshall.

Eugene, Ore.—Eugene Creswell Nurseries, capital stock \$25,000. Incorporators, O. K. Skotheim, W. L. Kincaid, John Baird and P. Augustus Peterson.

Louisville, Ky.—The Bardstown Road Floral Co., has been incorporated and has a capital stock of \$8000. The incorporators are Margaret H. Struck, Pratt A. Reynolds and H. J. Marshall.

Boston, Mass.—Thos. F. Galvin, Inc. (Mass.) succeeds Thos. F. Galvin, Inc. (N. J.) There is no change in the capitalization—\$200,000 common, \$100,000 preferred. The directors of the new corporation are Thos. F. Galvin, President, Thos. F. Galvin, Jr., Harry L. Burrage, Elliot Bank, Robert M. Currier, 79 Milk street, L. J. Brackett, treasurer, 79 Milk street. The company is paying cash for all its requirements.

A Correction.

The incorporators of The Denver Nursery Co. are A. M. Schroeder, Peter Schroeder and M. J. Schroeder. Those quoted in the May 6th issue of HORTICULTURE were incorrect.

CATALOGUES RECEIVED.

Wilson Plant Oil and Fertilizer Co., New York City—This enterprising firm deals in novelties and standard equipment goods for florists and gardeners. They are always on the alert for things that have practical merit and this catalogue lists lots of them. It is free for the asking.

PATENTS GRANTED.

991,466. Land-Roller. Daniel William McConnell, deceased, Chest Springs, Pa., Mary Agnes McConnell, administratrix, Chest Springs, Pa.

FIRE RECORD.

Springfield, Mass.—A barn at the nursery of J. W. Adams & Co. was badly damaged by fire on May 5.

IRON PIPE Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

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DOUBLE, \$4.50 " " \$40.00 " "

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NEPHROLEPIS ELEGANTISSIMA (Improved). The finest of this type, never showing a Boston frond. It has not reverted in the last four years.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$12.00 to \$18.00 per dozen; large specimens in 12-in., pans, \$3.00 to \$5.00 each.

NEPHROLEPIS ELEGANTISSIMA COMPACTA. This bears the same relation to elegantissima that Scotti does to Bostoniensis. It is a dwarf, compact plant, especially fine in the small sizes.

Fine plants, 6-in. pots, \$6.00 per dozen; 8-in., \$18.00 per dozen; extra fine specimens, 12-in. pans, \$5.00 each.

SMALL FERNS FOR FERN PANS. Best and hardiest varieties assorted,—Pteris Mayii, Wimsetti, Adiantoides, Aspidium tsusimensense, Cyrtomium falcatum, etc.

Nice plants, 2¼-in. pots, \$3.50 per 100.

F. R. PIERSON COMPANY, Tarrytown-on-Hudson,
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HORTICULTURE

Vol. XIII.

MAY 27, 1911

No. 21



A MODERN FLORIST'S ESTABLISHMENT.
Interior View of Store of Harry C. Rowe, Chicago

*Devoted to the
FLORIST, PLANTSMAN,
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and
Kindred Interests*

*Published
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Preparatory to our annual Stock-taking, and in order to make room for our Mr. Rice's extensive purchases of **FANCY BASKETS** while in Europe recently, we offer an unusual assortment of **FANCY BASKETS**

FOR ONE WEEK ONLY — MAY 29th to JUNE 3rd

At the following special inducements:

Our \$15.00 assortment for	\$12.50
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" \$25.00	" " \$20.00
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An immense assortment to select from, all new and up-to-date goods. When ordering mention what price baskets desired, and whether for Plants or Cut Flowers. This offer holds good for one week only.

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Madeira Vines, Lilies, Iris, Daphne
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Heliotrope, Chieftain and others.....	2.00	18.50	
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YOUNG VINES

Young vines, making their first year's growth, after being planted out in the border, will need constant care to keep them growing straight and clean. Being cut back to one eye this will now be grown to considerable length and should be stopped at intervals of four feet, which helps to swell out the cane. Keep this growth tied to a wire to keep it straight, as this will be part of the rod next year. Do not allow any laterals to grow from this until it has grown half way up the house. This will give you plumper eyes at base, where they are needed for next season. After reaching the half way line they can be left to grow more as they choose. This extra head growth will cause more root action, helping to fill the new border with fibrous roots. Canes which were started late and have been used to plenty of air will not need to be closed at all now. Where it was necessary to start earlier through having pot trees or other stuff growing in the same house, these must be gradually used to more air until they can stand the ventilators open right along. Syringe with good force in the early morning and again as the sun is declining. Leave it as late as possible in the afternoon, so long as the foliage is dry by six o'clock. This will keep down red spider, etc., and invigorate the plant. Frequent waterings will be necessary, as more roots are produced. If borders are kept properly moist no shade will be needed.

SHADE FOR VINES

All older vines carrying a crop of partly developed fruit will now be benefited by a light shade on the glass, Muscats taking it a little heavier than the others. This prevents the strong sun from scalding the berries and scorching the tender foliage, through excessive transpiration. A serviceable shading is made of white lead and gasoline and needs applying with a brush.

FINISHED PEACH HOUSES

Peach houses, after having the crop cleared, will need to have all ventilators thrown wide open and the trees given a thorough syringing. This can be kept up from now on. If any pests have been troublesome, syringing with some approved insecticide twice a week will help exterminate them. Peach and nectarine trees in pots will require similar treatment. They can be taken outside and the pots plunged to the rim in ashes, which keeps them moist and stops the wind from blowing them over. Select a place where they will get plenty of sun and use the hose on them morning and afternoon.

MEALY BUG ON VINES

This is a very unwelcome visitor and when once established it is very hard to exterminate, the loose bark around the eyes, small cracks and holes affording it ample opportunity to escape the eye of the grower, and from any application which may be applied in the endeavor to kill it. This is a hard matter in the growing season, it usually being the case if solution is applied strong enough to kill mealy bug that it is harmful to fruit and foliage. If bug is noticeable on growing vines the best way is to let a boy look over them at regular intervals and kill all he can. If it has got as far as the bunches, a little cotton wool tied to the stalk will help to prevent its getting in. After clearing the crop in any affected house, wage war against them up until winter cleaning time, and then give them extra washings. A mistake is often made in storing half-hardy shrubs in fruit houses during the winter.

If these have been in contact with any bug-affected plants at any time they are sure to have some themselves, and in their turn leave some behind for the fruit grower to discover during the growing season. When once established, in a vinery it will take *time*, *work* and *patience*, and no partial supply of either, to exterminate them.

SHANKING OF GRAPES

This malady causes this withering of the footstalks of berries and often-times stems of the bunches, generally appearing when the berries show color, continuing until they are ripe and sometimes afterwards. Whole bunches have been known to go this way, but in such cases something is radically wrong. All shanked berries are sour and worthless. Should any be noticed when bunch is cut they must be removed with the scissors before being used. The causes of shanking are many and varied, the two chief ones being over cropping and borders being in bad shape, not giving the roots a chance to work as they should do. It can be seen at once that the one is as bad as the other. It is always possible to overcrop a vine even with good root action, and with no proper energy at the root shanking will show itself in time.

Vines carrying an excessive crop the first year may shank very little, but probably they will not color properly. The following season is sure to see so many berries shank. Proper care and stimulants if the growths are weak and a reduction of the crop are all that can be done when shanking commences. If the roots are into a bad sub-soil and out of control through the border being improperly made, this must be looked to in the fall and the border given a complete renovation such as HORTICULTURE advocates at that season of the year.

George H. Benson

Something More About Hippeastrums

While endorsing every word of Mr. Finlayson's article on Hippeastrums, I would like to draw attention to the fact that they can be made to produce two crops of flowers in the course of a season. While growing some of these plants we noticed that they generally send up their leaves in bunches of from four to six, and those that are flowered around the New Year will have these leaves completed by the first of April, and if then dried off slightly a flower will be pushed up that will come in about Memorial Day and there will still be plenty of time to grow another set of leaves by the end of September. As Mr. Finlayson points out, they are gross feeders. We have given them doses of manure water and sprinkling of Clay's fertilizer alternately, twice and sometimes three times a week and they seem quite able to use it all showing no bad effects from such treatment. However, the plants here are pretty well root-bound in eight-inch pots.

George F. Stewart

West Medford, Mass.

HORTICULTURE

VOL. XIII

MAY 27, 1911

NO. 21

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Memorial Day

Memorial Day, or Decoration Day, as we still like to call it, is with us once more, with its hallowed patriotic associations and its sweet commemoration of the pathetic incidents of a conflict the memories of the bitterness of which have all been wiped away. In the recognition of the day the florist has always been an indispensable factor and in some sections its importance surpasses even those great floral holidays—Christmas and Easter. Vicissitudes of the weather have much to do with the profitableness of the work the florist is called upon to do and the satisfaction he is able to give to his customer at this rapidly-moving season of the year. We hope the present season will afford him all the facilities for doing satisfactory and creditable work, worthy of the occasion and worthy of his art.

The moth nuisance

It is stated that experiments made by William Reiff of the Bussey Institution of Harvard, under the direction of State Forester F. W. Rane, have yielded remarkable results in the extermination of the gypsy moth through the artificial spread of the "wild disease" or "Flacherie," a disease contagious among caterpillars, which acts upon them as cholera in human beings. We ardently hope this will prove true. It must be apparent to all who have the misfortune to live within moth infested districts that the repressive measures hitherto practiced are utterly inadequate to cope with this fearful pest. According to statements made in the Evening Telegram of recent date both gypsy and brown-tail moths have been found on Long Island and the New York Department of Agriculture experts are busy in Jamaica and vicinity where the caterpillars have obtained a foothold. We think it is most likely that the unwelcome visitors in Long Island are the brown-tails and not the gypsies, thus far, but it is probably only a question of time before both these nuisances are disseminated over the entire country.

The Bulb Trust

The Holland Association of Bulb Exporters to America is, if rumor, occasional admissions of its representatives and trade indications mean any thing, one of the most dominant of trusts. It is a trust quite beyond the reach of our government, being domiciled in a foreign country—yet exercising absolute control over the sale of its entire line of products in this. Its hundred or more agents, a few of them even having made their homes here, are nevertheless closely banded together with the others, who are annual peripatetics, to maintain the policy and prices of the Holland organization, and, whether they live here or not, their sympathies are wholly pro-Holland. So complete is their control that they arbitrarily establish prices for this country, often much higher than their prices for the same goods in other countries. A striking example is given in the advance this season of about four dollars per thousand in the prices of the various grades of bedding hyacinths. Earlier in the season it was expected that tulips generally would be much lower than last year. This was expected in consequence of large lots of many of the finer sorts coming from new sources in the North of Holland, grown by farmers who were not exporters. It has been the policy of the exporters to discourage these farmer bulb-growers, to drive them out of the bulb business and to obtain their stocks at minimum prices for planting on their own increased bulb acreage. Evidently the Bulb Trust has accomplished its aim in getting control of the tulip situation, and they have practically maintained here the high prices of last year.

Seasonable Notes on Culture of Florists' Stock

ALLAMANDAS

These plants are favorites for flowering in pots during the summer months, and make good subjects when well grown for table centerpieces. As these plants bloom for months they are very adaptable for cutting purposes. If plants were started in a brisk heat the early part of April they should now begin to show flower. At this period they will need abundance of water—likely two or three times a day. Grow them in full sun and as the pots fill with roots, give liquid manure once or twice a week. Continue the use of the syringe every clear day and give more air as summer advances. If you want to work up a nice lot of stock they are easily propagated from cuttings of green wood. Place these where they can have a little bottom heat in a propagating bench, or use some small pots that are filled with equal parts of sand and leaf mold and plunge in the cutting bench and keep shaded until they are rooted. These young plants can be shifted into larger pots whenever the condition of the roots may require it. Increase the substance of the soil in later shifts to a good fibrous loam with about a fourth well-rooted cow manure, and add a moderate sprinkling of sand to the mixture. They should be grown on and pinched at least twice during their first season's growth. They should be dried slowly, starting in September and finishing up in October.

GERANIUMS

The proper time to make a start on geranium stock for next season is just now. Pick out some of the varieties and place them aside to plant out for future propagation so as to have stock that will give a lot of good cuttings by end of August and through September. Give them a good sunny place in good soil, and leave at least eighteen inches between the plants, for if planted too close they will make a mass of foliage with soft and drawn-up stems which makes poor material for propagation. If the season is very dry, give them a soaking of water now and then, and keep them thoroughly cultivated all summer. As the flowers are developing into full bloom they should be picked off.

GROWING CARNATIONS INDOORS

Those who wish to try this method should get their carnations planted out on the benches as soon after Decoration Day as possible. To have success with indoor culture only plant out good, stocky plants that were propagated by the middle of January, and grown on to 4-in. pot size without a check. Great care must be used after planting in regard to watering. The soil, if watered too freely for the first month is likely to get soured, but when they get a good hold of the soil they should be watered thoroughly, otherwise the plants will become hard and woody, and will fail to break away freely. Give frequent syringings which will encourage good growth and also help to keep down red spider, which often becomes troublesome. Give both day and night full ventilation, for they are truly air loving subjects. As soon as the shoots begin to elongate so as to show the stem between the leaves, the tops should be

pinched off, leaving three or four joints. Don't pinch off all the tops at once and then leave two or three weeks before pinching them again, but go over them every week and top just the longest ones, which will ensure a more even growth with a less tendency towards cropping. See that the benches are frequently cultivated during the summer. The dreaded stem-rot is reduced to a minimum by this method.

PLANTING OUT GARDENIAS

Now that the time for planting out these plants is here we must look to our soil, for much of the success in growing gardenias can be traced to the compost used. This should be of fibrous loam, two-thirds, and a third of old cow manure. Add to this mixture some coarse sand and charcoal so as to make sufficiently porous for the water to pass off readily. Plants that are nicely rooted in either 3 or 4-inch pots will make fine stock for benches. See that there is good drainage in your benches before the soil is put in. The plants can be set from 18 to 20 inches apart between the rows and about 16 inches apart in the rows. Just merely water around each plant until the roots begin to run through the bed, when they will need a plentiful supply of water. Give them a good syringing every good day for it helps to keep them free of insects, especially mealy bug, which if allowed to get a foothold, will give an unlimited amount of trouble.

SINGLE-STEM CHRYSANTHEMUMS

Where the idea is to grow single-stem chrysanthemums in pots there is no better time than from now up to the first week in June to put in cuttings for 6-inch pots. It is advisable to change the sand for this batch of cuttings so as to avoid as much as possible the cutting-bench fungus. Never let the cuttings show signs of wilting either from want of moisture or proper shade until rooted. When rooted, pot up into 2½-inch pots and thence into 4-inch, and finally to their last shift—a 6-inch pot. Never permit the plants to become too potbound until the last shift is reached. For the last shift use a rich compost. At least one-third of the bulk of soil should be of well rotted cow manure and good sprinkling of bone dust. The best place to grow these plants during the summer is on a bench where there is side ventilation which can be kept open day and night. Make it a practice to syringe several times a day.

SUMMER CARE OF PRIMULAS

A coldframe that can be made to face either north or east is the best place for all such winter-flowering primulas as *Kewensis*, *sinensis* and *obconica*. Place a coating of fine coal ashes at least three or four inches thick so the pots can be partially plunged. Shade during the summer with lath or cloth, which will keep the plants cooler than when they are covered with glass that has been whitened. Stock that is in 3-inch pots should be potted up before they are potbound. A good mixture to use is well rotted fibrous loam, three parts, leaf mold and well decayed cow manure one part each. Add enough of sand and fine charcoal to give porosity and sweetness to the whole.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Violets, Crotons, Marguerites, Masdevallas, Raising Perennials, Sweet Peas.

MENDEL'S LAW AS RELATED TO HEREDITY AND BREEDING.

By Dr. Herrmann Decker. Translated from "Cosmos" by Gustave Thommen.

V.

When we consider how, in practice, the results obtained by breeding according to Mendel's law so closely meet its demands, then we may surely predict that this law will be of the utmost importance to the business of the breeder and that it will stimulate activity in breeding to a high degree, in the near future. This is the more convincing because breeding, carried on under Mendel's law, becomes a more safe and less costly occupation.

Biffin, member of Cambridge University succeeded in raising new and constant varieties of wheat in a few generations. These new varieties were secured by following up a carefully considered plan, adhering to Mendel's law and combining the best and most useful qualities of several standard sorts of commercial wheat.

Having made sure that such qualities as length of halm, prolificness, size of kernel, immunity against rust, (under same conditions of soil), etc., do obey Mendel's law, convinced Biffin, that new and constant varieties of wheat which would fulfill the expectations of agriculturists could be produced and he obtained them in two or three generations. From this we may gather, what immense treasures the breeder may yet be able to offer to the farmer and husbandman, by closely following Mendel's law.

A word of warning and advice to those who may undertake breeding in any line according to Mendel's law, will not be in vain. In breeding along the lines of this law, the breeder will soon become aware that many things have to be carefully considered and that plain sailing is not always to be expected. In fact, many times, the breeder may almost lose courage, because something will seem to prove the rules of Mendel's law wrong. These perplexities have their origin in the selection of the parents. How can the breeder always be sure that these are pure? The longest and most elaborate pedigree is often enough misleading and of no value.

Our "Blue Andalusian" fowls had so far been regarded as a pure variety (although it was well known that "breaks" occurred regularly). But the very fact that these "breaks" occur, proves that the blue offspring of the black and white parents, consists of bastards only and so can not be constant or pure. Then, even if the parents really are pure (in conformity to Mendel's law), there will often be disappointments in regard to the result of some crossings. This will happen when the breeder undertakes to "pair off," characters or qualities which have no relation to each other.

For instance: If we should choose the red in the petals of one parent and the blue in the other as character marks, we may not know whether the one or the other really is pure; either or both might contain white and being impure in this way, white would

appear later on in the offspring. And even if both parents really are pure as to each color, then the red might belong to a red sapjuice, while the blue might be a deposit of blue color grains. These would be two characters which could not be combined, because they belong to two dispositions, of which none could suppress the other. Success in such a case could not be expected.

It is absolutely necessary that any two chosen qualities shall belong to the same class of characters. Many times close study of the first and second generation will be needed to get to the bottom of the question and to find the mistake made at the start. After finding and correcting the error, the goal will easily be reached and Mendel's law confirmed.

What heredity is and how occasioned, nobody can say, even today. We only know the laws under which its working can be demonstrated and taken advantage of. Yet, we have a burning desire to unveil this secret of secrets. Mendel has shown us where we must apply the lever if we wish to proceed. He has laid the foundation and many willing hands are now helping to further the progress of the building. That so much has been accomplished already, in this heretofore hopeless territory and that so many great results are sure to be yet obtained, only quickens our impulse and heightens our courage.

Now, what is it that is so new and unprecedented in this theory? That all living things, are successive series of character marks, chains of qualities; which at sexual union, are compared and are paired off, while one is preferred at the same time. The dispositions to all these characters and qualities are independent and indivisible and are at union easily joined in pairs and in the following generation just as easily separated. To have given to the world the knowledge of this fact, is Gregory Mendel's great merit.

But, what are these dispositions? Here we hesitate. Better let us ask first, what are they *not*? Let us remember, that all theories which reckon with original dispositions, assume that the small parts of the fertilized egg, by increasing in size and numbers, become organs and parts of the body. This small part becomes the left eye, that one the right leg, etc. Mendel's dispositions are *not* of this kind. They are separate, constant powers, which do not enlarge or grow; they remain what they are always and pass from one generation to the other individually and indelibly for all time. The disposition to become this or that, exerts itself as soon as a new being begins its existence. For instance, the disposition to be toothed, in a leaf, begins its work as soon as the leaf begins its growth; it is present in the plant before the first leaf is even formed; yes, even in the seed. The dispositions controlling height of plant, color of seeds, bearing capacity of parents, sugar contents of fruits, etc.—all these go through the generations and work. The dispositions are capacities or arrangements which set certain transactions in motion.

In the seed and in the germ they lie dormant and only present themselves, one after the other, side by

side, as their services may be required in the course of the development of a body. Being transmitted by heredity from generation to generation, all these dispositions meet and working hand in hand, acting one upon the other, they force the beginning body to form into a harmonious whole, according to a mutual plan.

This is a subject for thoughtful reflection and only deep and careful study, combined with well considered experiments (excluding philosophy and preconceived opinions), will bring us further.

One hundred years ago, Dalton put his "Theory of the Atoms" in place of the vague conceptions entertained as to substance. He claimed, "that substances are built up of separate atoms and that the multiplicity and variability of the chemical substances is the result of the manifold and various ways in which the atoms combine and group themselves."

Today we meet with the same thing in biology. And just as chemistry has, in the last few decades, advanced to the very foremost position, so do we hope that the new theory, "which regards the living being as a mosaic of qualities" will bear fruit and will open for biology (the greatest and most important branch of science), the way to still greater success.

(THE END.)

BRITISH BUMPTIOUSNESS.

Touching the British visitor report: We must commend Mr. Brunton on his able and condensed report. Out of the maelstrom of entertainments he has kept his head very well and given us a very common sense account of their experiences. Of course, it is to be deplored that they should have touched our Boston friends on the raw in connection with their great exhibition. But that was a frank and free expression of opinion and that is what is wanted all the time. Let us not be too sensitive about a little criticism. If it is honest and to the point, it is wholesome; and in that direction lies progress. We will do better next time! And, maybe the Temple Show will do better, next time! You don't suppose these bright boys came to see us without learning something—in spite of their native insularity, do you? Of course not. Both countries are benefited. "Sock it" to us! That's what we want!

G. C. WATSON.

TACOMA ROSE SHOW.

E. R. Roberts, former superintendent of Tacoma parks, and A. A. Hinz and H. W. Manike, florists, will be the judges of Tacoma's first annual rose show, to be held June 16 and 17 under the auspices of the newly organized Tacoma Rose Society.

The Rose Society has not yet decided where the coming show will be held, but expects to lease the first and probably the second floor of the Milbank building on C street for the spectacle. F. C. Smith, another professional florist, has been named as floor manager and the society discussed preliminary plans for the exhibit hall settings. An elaborate floor plan will be designed to the end that the show will be one not only of floral but decorative beauty.

LILACS AT ARNOLD ARBORETUM.



The collection of the common lilacs has been much enlarged and now contains nearly all the principal varieties, although some of the plants are still too small to flower. The blooming came on with a rush last week, and most of them are already finished. The earliest species in the collection is the white-flowered *Syringa affinis*. This slender shrub with fragrant flowers is a favorite ornament of the gardens of Peking. Nearly as early is another north China lilac, *Syringa ob-*

lata, with large pale purple, fragrant flowers. Nearly as early to flower as these two Chinese species is *Syringa hyacinthiflora*, a hybrid between *Syringa oblata* and the common lilac. This hybrid grows to a large size, and the small, blue-purple double flowers are very fragrant. It is interesting as one of the early hybrids in this genus. More beautiful and in every way a more useful garden plant is another hybrid, *Syringa chinensis*, raised many years ago in France. The name is unfortunate for its parents are *Syringa*

vulgaris, now known to be a native of the Balkan Peninsula, and Persian lilac. The flowers of this hybrid are produced in long clusters which are so heavy that they become semi-pendant on the slender branches. There are varieties with rose-colored and with pale nearly white flowers. Another Chinese species, *Syringa pubescens*, has small leaves, and small, long-tubed pale purple flowers which are produced profusely in small clusters. The value of this plant is in the delicate perfume of the flowers.

BUFFALO PARKS.

Buffalo City Parks, flushed with the first bloom of spring, are ready for the vast throng of pleasure seekers that will visit them during the summer.

The park system of Buffalo includes, in addition to 31 small parks, six of greater extent. In these latter are the botanical and zoological exhibits, the recreation grounds, the lakes, lawns and driveways. Drivers of automobiles, carriages and saddle horse have for their use miles of road and paths kept in perfect condition by park superintendent Seymour. On Humboldt Parkway, the old speedway is being seeded down. The road is completed between Ferry street and the park and two rows of trees have been added. Humboldt Park is in shape for the summer with the exception of a number of needed lights still to be placed. The wading pond has been emptied and cleaned and the lawn and flower beds groomed.

At South Park which is under the direction of Prof. Cowell, the collection of tropical plants has a national reputation as being one of the finest in the United States. At present there are masses of orchids in bloom, lemons and oranges nearly ripe and the bananas are growing rapidly.

The Park Commissioners have in view the immediate improvement of Cazenovia Park by the erection of a casino and refectory, the cost not to exceed \$30,000. It will contain rest rooms, shelters and a lunch department. The new island, six acres in

extent, which was made when the new lake was constructed, is almost finished. It will be accessible from Cazenovia street, through the park and from the park drive near Abbott road and will be one of the most beautiful spots in Buffalo.

A trip through Forest Lawn found everything in the pink of condition, Superintendent Troup being a busy man getting things shaped for Memorial Day. The placing of urns and blooming plants has already begun and by the end of the week the beautiful resting place may be seen in a mass of blooming plants and flowers.

E. C. B.

DECORATION DAY.

Long years ago ye marched away.

Buoyant with patriot impulse, all:

To me it seems but yesterday

I heard the shrill life's morning call!

And once I saw the setting sun

Gleam on your bayonets, heard the drum!

Into the twilight, one by one

Ye vanished, and our hearts were numb.

Alike it flamed on battleship

Enveloped in war's sulphurous gloom;

Oh, there was many a whitened lip,

And many a stout heart met its doom!

Nor Spartan pluck, nor the fierce stand

At Lodi's bridge, on victory bent,

Displayed tenacity more grand,

Or courage more magnificent.

In honor of that far-off day

I hear the bells of memory chime;

Sweet bells! Their tongues shall chant

alway

Your valorous deeds thro' coming time.

The world gives loudest plaudits oft

To guilty kings, not knowing yet

That he who proudly bore aloft

The "old flag" wore a coronet!

Arthur Elwell Jenks, in *Boston Journal*.

A SIM SPECIALTY.

As an illustration of the extent to which enterprise and hustle can be carried we think that a house of tomatoes, plants already from 5 to 6 feet tall and well-laden with good-sized fruit, at Wm. Sim's place in Cliftondale, Mass., takes the cake. This house was in full glory with a phenomenal crop of sweet peas at the time of the National Flower Show! Another house with tomatoes planted from four-inch pots two weeks ago, is following along with fruits as big as plums. Nearly the entire place is in tomatoes at the present moment and the first picking was marketed on May 22nd. Violets, sweet peas and tomatoes follow and lap over one another at this remarkable establishment in a way to bewilder one. A field of corn, several acres in extent, was planted from pots last Saturday and the house where this corn was germinated was all settled down to tomatoes within 24 hours. Mr. Sim grows Comet, exclusively, as a greenhouse tomato and he has 50,000 of them. Asked about how he escapes white fly he replied that white fly gets no encouragement in houses grown so cool in winter as is necessary for violets. He has given up the frames for tomato growing entirely, and has two large houses constructed during the past winter from the discarded sash, which he finds much more economical as to labor than the sash frames were.

PERSONAL.

John Quinn has accepted a position with Edward Walsh, Hartford, Conn.

Ralph H. Amory has taken a position at the Elitch-Long Greenhouses, Denver, Colo.

Harry Menken is now in the employ of H. Magnuson, Bridge street, Manchester, Mass.

F. B. Tinker is now in charge of the Scott-Martin Floral Co., Denver, Colo., Miss Scott being no longer with the concern.

C. F. Schader has been elected to the presidency of The Golden State Plant & Floral Co., Santa Monica, Cal., to succeed T. H. Dudley.

Walter Edmond Eglington, late of Newport, R. I., has taken a position as orchid specialist with J. A. Carbone of West Berkeley, Cal.

John Dewar of R. & J. Farquhar & Co. will sail from Boston on the Ivernia, June 12th, to make an extended European tour of several months.

F. J. Cullen, of Thomas Cullen & Sons, Witham, Essex, and E. W. King, Coggeshall, England, reached New York on the Oceanic, May 17, and proceeded to Fordhook, whence they go to California.

The papers report Mrs. "Jack" Gardner as seriously ill at her home in Brookline, Mass. All friends of horticulture will wish a speedy recovery to this energetic, philanthropic lady, who has always been ready to promote, by all means in her power, the advancement of horticultural art.

Norman J. Coleman of St. Louis, Mo., editor of Coleman's Rural World, passed his 84th birthday last week. Mr. Coleman was at one time lieutenant governor of the state, secretary of agriculture under President Cleveland and president of the American Association of Nurserymen. He is looking forward to meeting all his old friends at the nurserymen's meeting here next month. He is daily at work as editor of his paper and is hale and hearty at this ripe old age.

Boston visitors: D. Fuerstenburg, Philadelphia, Pa.; Andrew Wilson, New York City; W. A. Manda, South Orange, N. J.; J. J. Karins, representing H. A. Dreer, Philadelphia, Pa.; Wallace R. Pierson, Cromwell, Conn.

STRINGENT RULES IN NATIONAL CEMETERY.

In the national cemetery at Arlington the Government will not permit any "vases, urns, tubs, hanging baskets, or other fixtures intended for plants, or any chair, settee, or other obstruction." An order containing this inhibition and ordering the removal of any of the "obstructions" named was made in October, 1903. This order provides further that no "trees, shrubs, vines, or other plants of any character or description will be permitted" on any burial lot. The widow of Captain John C. Dougherty came into conflict with the terms of this order when she tried to plant some ivy and roses on her husband's grave. She is aroused over the "unjust discrimination" of the officials, who permit things planted prior to last October to remain, and she declares that she will plant shrubs there despite orders, or will have the body of her husband removed to some place where she may do as she pleases.

F. J. DYER.

SELAGINELLA EMMELIANA.



This graceful little lycopodium in its green form is well-known among the florist trade and needs no description. Our subject is as the name indi-

cates, a golden yellow form of this useful plant, so much used for table decoration and jardiniere work. It is listed in Dreer's catalogue.

HARRY A. BARNARD'S JUBILEE.

An interesting presentation took place at the Royal Nurseries, Bush Hill Park, on the 29th ult., when Mr. Barnard was presented with a time-piece and ornaments inscribed as follows: "Presented to Harry A. Barnard on the celebration of the jubilee with the Lows, of Clapton, as a mark of esteem and affection from all employed at the Royal Nurseries, Bush Hill Park, April, 1911."



HARRY A. BARNARD

Mr. Stuart H. Low, who made the presentation, remarked on the extraordinary adaptability to change Mr. Barnard had always shown from the days when orchids were rare plants until the present time. The swiftly changing features of the horticultural trade appeared to come quite naturally to Mr. Barnard, and he moved with the times without difficulty. Mr. Barnard, in replying, nearly broke down, but being reminded by Mr. Low that he had faced greater dif-

ficulties, he rose to the occasion with his usual readiness, and made a good speech, giving some advice to the younger generation. The extraordinary vigor of Mr. Barnard was evident, even during his recent visit to the United States, when he was dubbed by his companions "an old hustler."—*Correspondent in Gardeners' Chronicle.*

CICADAS THREATEN WASHINGTON.

Washington.—According to the Department of Agriculture the cicada or 17-year locust has been located in Maryland, not far from its capital. The insects are scheduled to emerge from the pupa state this week, or not later than the first week in June, and for four or five weeks they are scheduled to flit amid the leafage of the seat of government, and the adjacent country. Moreover, Washington will not monopolize the attentions of the cicada, for it is expected to prove a destructive pest this year in practically all of the eastern and in some of the western states. The Department specifically mentions Connecticut, Indiana, Michigan, New Jersey, New York, North Carolina, Pennsylvania and West Virginia as being within the "sphere of influence," as statesmen say, of the 17-year locust, but Plainfield, N. J., is seemingly the worst infested place yet discovered, millions of the pupae being found there, and the greatest damage is looked for in Virginia and New Jersey. The damage done by the cicada is by piercing the young sprigs and stems in depositing their eggs.

F. J. DYER.

Brampton, Ont., Can.—W. E. Calvert, florist, has purchased four acres of land adjoining his property which he will use for market gardening.

Obituary

Ransom B. Jones.

Ransom B. Jones, florist, Stamford, Conn., died on May 7th.

C. O. Hunt.

C. O. Hunt, St. Elmer, Chattanooga, Tenn., died May 6th. His business will be continued by his wife.

S. A. de Graaff.

On April 25, S. A. de Graaff, senior member of the firm of Graaff Bros., Ltd., died at Leiden, Holland, aged 71 years.

George L. Chadborn.

George L. Chadborn, well known as a manufacturer of lawn mowers, died at his home, Newburgh, N. Y., May 11, aged 77 years.

A. W. Lempe.

Despondent over business cares, Arthur W. Lempe, 23 years old, a florist, committed suicide by drinking carbolic acid at the home of his parents, 1000 25th avenue, Milwaukee, Wis., on May 15th. Lempe had a floral shop at 581 Downer avenue.

Seth C. Wood.

The death of Seth C. Wood, a successful nurseryman and orchardist, occurred May 16 at his farm home, on the Long Bridge road, north of Knowlesville, N. Y., at the age of 69 years. He leaves his wife, one daughter, Miss Jessie M. Wood, of Rochester; one son, Edward H. Wood of Holley, and one brother, Jay Wood, of Knowlesville.

John G. Forbes.

John G. Forbes, for many years a prosperous florist of Auburndale, Mass., died on May 18th, after two years or more of sickness which caused him to sell out and retire from business two years ago. John Forbes was reputed to be the best flower salesman coming into Boston forty years ago, when he represented C. J. Power of South Framingham, Mass. He went into partnership with F. R. Mathison, as Mathison & Forbes, at Egleston Square, Boston, and on the dissolution of the firm started in Auburndale, where he has been ever since. His old partner, Fred Mathison, outlived him but three days.

Eggert Nagel.

This well known pioneer florist of Minneapolis, Minn., met a shocking death on the evening of May 16. Mr. Nagel was on his way to a meeting of the West Side Commercial Club. It was raining heavily, and as the car approached Mr. Nagel left shelter and started across the street. An automobile came through the blinding rain at the same moment, running rapidly, and pressed him so closely that he was compelled, to escape the auto, to try to run across in front of the car. He was struck by the latter, thrown thirty feet and picked up unconscious. He was taken to his place of business, where he died in a few minutes.

Mr. Nagel was 69 years of age, a native of Hamburg, Germany, and

came direct to Minneapolis from that country 46 years ago. For 16 years he was manager of the Mendenhall greenhouses, the first of the kind in the city. Later he entered business for himself and some time afterward took his son into partnership. He is survived by a son, Theodore W. Nagel, a daughter, Mrs. D. G. Miner, and a brother living in Davenport, Iowa.

The funeral was on May 18th at Lakewood Cemetery. About 35 florists attended in a body. Theo. Wirth, Hugh Will, Aug. and Oscar Swanson, Gust. Matinquist and Jerry Jorgenson were pall bearers. C. N. R.

Fred. R. Mathison.

On Tuesday afternoon, May 23rd, there was laid away in its last resting place the body of one of the finest men who ever adorned the florist trade of America. Endowed with an intellect far above the average, sturdy, industrious, and self-reliant, Fred. Mathison carved out for himself an



FRED R. MATHISON

honored record as a business man, and by his whole-souled generosity and companionable traits won a large place in the hearts of his associates. He was pre-eminently one of the famous "Old Guard" of the Boston horticulturists, four-fifths of whom have now gone to rest.

Fred. R. Mathison was born in Cod-sall Wood, Staffordshire, England, 70 years ago. Forty-three years ago he came to this country. He obtained employment in Arlington, Melrose and Woburn, successively, and then went to South Framingham, Mass., where we knew him first about the year 1873 as a flower grower of ability in the employ of the late C. J. Power. A few years later he went into partnership with John Forbes, who had been salesman for Mr. Power and who, strangely, was buried on the day Mr. Mathison died. Sunday, May 21. The new firm leased the Howard Greenhouse at Egleston Square, Boston, and carried it on for some years, when Mr. Mathison went into partnership with the late Charles Evans as Mathison & Evans at Watertown, Mass. After a few years they

separated, Evans retaining the old establishment and Mathison erecting new rose houses at Clematis Brook, about 25 years ago, which he conducted until his death with the exception of an interim when he leased the place to two employes, Anderson & Williams, who finally had to abandon it.

Mr. Mathison had been in poor health for two or three years, and had been very low for some months, the cause of death being given as dropsy. In his time of health he was a genial participant in all the festivities of the craft and active in their organizations, a most entertaining and practical talker in club meetings and elsewhere. President John Burton appointed him as a director of the Society of American Florists to serve for the years 1892-1893-1894. Messrs. M. H. Norton, Thomas J. Grey, Alex. Montgomery, P. Welch, Jackson Dawson and Wm. J. Stewart acted as pallbearers at the funeral. Burial was at Mt. Peake Cemetery, Waltham, Mass. He leaves a widow.

MASSACHUSETTS HORTICULTURAL SOCIETY SPRING SHOW.

The spring exhibition, held in Horticultural Hall, Boston, on May 20th and 21st was not notable for size or magnificence, but the exhibits were of excellent quality and variety considering the vagaries of this exceptional season. A specimen hydrangea from A. W. Preston, gardener J. L. Smith, said to be only a year old, was a triumph of cultural skill and well merited the silver medal bestowed on it. The plant bore 168 large heads of bloom, was gracefully symmetrical without stakes or other supports and measured over 6 feet through.

Another exhibit, one which received much attention from visitors, was a display of tree and shrub flowers from the Arnold Arboretum. The variety shown, each under label, was very extensive. Among the showiest subjects were the lilacs of which about fifty varieties were staged and the flaming Azalea Kaempferi from Japan.

Much interest attached to a group of *Lilium leucanthemum* and *L. myriophyllum* shown in vases by R. & J. Farquhar & Co. These together with a display of May-flowering tulips were awarded honorable mention.

Thirty-three varieties of lilacs came from the Blue Hills Nursery, a rich group of orchids from Mrs. J. L. Gardner. The other exhibits are sufficiently explained in the list of awards (other than the foregoing) which follows:

Calceolarias—six varieties: 1st, E. A. Clark. *Pelargoniums* six named show or fancy varieties, in not less than eight-inch pots: 1st, William Whitman; 2d, Mrs. J. L. Gardner; 3d, William Whitman. Six named zonal varieties: 1st, Mrs. Winthrop Ames.

Gratuities: Dr. C. G. Weld, 6 plants, *Hydrangea hortensis*; E. A. Clark, *Calceolarias*; Dr. C. G. Weld, Darwin tulips; George Page, display of *Iris Florentina* and lilacs; Blue Hill Nurseries, collection of lilacs; Mrs. J. L. Gardner, display of orchids; George Page, *Oncidium sphacelatum*; E. A. Clark, *American Beauty* roses; Mrs. E. M. Gill, annuals and other flowers.

First Class Certificate of Merit: Dr. C. G. Weld, for *Laelio-Cattleya*; L. C. Hyena x L. C. Canhamiana rubra.

Cultural Certificate: Miss Cornelia Warren, Superior cultivation of *Cattleya citrina*.

CLUBS AND SOCIETIES

AMERICAN NURSERYMEN'S ASSOCIATION.

Officers and Committees for 1910-1911.

President, Wm. P. STARK, Louisiana, Mo.
 Vice-President, E. S. Welch, Shenandoah, Ia.
 Secretary, John Hall, 204 Granite Bldg., Rochester, N. Y.
 Treasurer, C. L. Yates, Rochester, N. Y.
 Executive Committee: J. H. Dayton, Painesville, O.; E. M. Sherman, Charles City, Ia.; H. B. Chase, Huntsville, Ala.; Wm. P. Stark, ex-officio, Louisiana, Mo.; John Hall, ex-officio, secretary, Rochester, N. Y.

Chairmen of Committees.

Transportation: D. S. Lake, Shenandoah, Ia.; Chas. M. Sizemore, Louisiana, Mo.
 Tariff: Irving Rouse, Rochester, N. Y.
 Legislation East of Mississippi River: Wm. Pitkin, Rochester, N. Y.
 Legislation West of Mississippi River: Peter Youngers, Geneva, Neb.
 Co-Operation with Entomologists: J. W. Hill, Des Moines, Ia.
 Program: J. H. Dayton, Painesville, Ohio.
 Publicity: Orlando Harrison, Berlin, Md.
 Exhibits: J. W. Schuette, 5600 Gravois Avenue, St. Louis, Mo.
 Arrangements: John Hall, Rochester, N. Y.; J. H. Dayton, Painesville, O.; F. A. Weber, Nursery, Mo.
 Editing Report: John Hall, Rochester, N. Y.; Prof. John Craig, Ithaca, N. Y.
 Entertainment: F. A. Weber, Nursery, Mo.
 Forestry: A. J. Brown, Geneva, Neb.
 Co-operation with Fruit Growers and Associations: J. M. Irvine, St. Joseph, Mo.
 Trade Opportunities: Jefferson Thomas, Harrisburg, Pa.
 Nurserymen's Share in Civic Improvement: J. Horace McFarland, Harrisburg, Pa.
 Membership: John Watson, Newark, N. Y.

Program for Annual Convention, St. Louis, Mo.

Wednesday, June 14th, 9 A. M.

Addresses of Welcome—Mayor of St. Louis, Thomas L. Cannon, Secretary of Convention Bureau City of St. Louis.
 Responses, J. W. Hill, Des Moines, Iowa.
 President's Address—W. P. Stark, Louisiana, Mo.

Reports.

Secretary—John Hall, Rochester, N. Y.
 Treasurer—C. L. Yates, Rochester, N. Y.
 Transportation Committee—D. S. Lake, Shenandoah, Iowa; Charles M. Sizemore, Louisiana, Mo.
 Legislative Committee—East of Miss. River, Wm. Pitkin, Rochester, N. Y.; west of Miss. River, Peter Youngers, Geneva, Neb.
 Tariff Committee—Irving Rouse, Rochester, N. Y.
 Committee on Co-Operation with Entomologists—J. W. Hill, Des Moines, Iowa.
 Committee on Publicity—Orlando Harrison, Berlin, Md.
 Committee on Co-Operation with Fruit Growers and Associations—J. M. Irvine, St. Joseph, Mo.
 Committee on Trade Opportunities—Jefferson Thomas, Harrisburg, Pa.
 Committee on Nurserymen's Share in Civic Improvements—J. Horace McFarland, Harrisburg, Pa.
 Committee on Membership—John Watson, Newark, N. Y.
 Committee on Root Gall—E. A. Smith, Lake City, Minn.
 Committee on Entertainment—F. A. Weber, Nursery, Mo.

Wednesday Evening.

Meeting of State Vice-Presidents, subject to announcement.
 Meeting of American Nurserymen's Protective Association, in the Southern Hotel, at 8 o'clock. Thomas B. Meehan, Secretary.
 Meeting of Retail Nurserymen's Association. Guy A. Bryant, Secretary.

Thursday Morning, June 15th, 9 O'clock.

Report of Vice-Presidents on Officers and Place of Next Meeting.
 "The Nurserymen and the Entomologist, Prof. S. J. Hunter, Lawrence, Kans.
 "Spring Versus Fall Planting of Fruit

Trees," Dr. J. C. Whitten, Professor of Horticulture, Columbia, Mo.

"Ethics of Our Business," Harlan P. Kelley, Salem, Mass.

"Fraternity Among Nurserymen," Charles T. Smith, Concord, Ga.

"Standardization of Grades," W. J. Maloney, Dansville, N. Y.; E. P. Barnardin, Parsons, Kansas.

"Standardization of Prices at Wholesale," T. J. Smith, Geneva, N. Y.

"Standardization of Prices at Retail," Abner Hoopes, West Chester, Pa.

"Should Large Buyers not in the Trade, Parks, Cemeteries, Public Institutions, etc., be Given Trade Prices?" Thomas B. Meehan, Dresher, Pa.; Wm. Pitkin, Rochester, N. Y.

Friday Morning, June 16th, 9 O'clock.

"How to Extend Our Wholesale Markets," E. S. Welch, Shenandoah, Iowa.

"How to Extend Our Retail Markets," J. M. Pitkin, Newark, N. Y.; F. H. Stannard, Ottawa, Kans.

"Our Mailing List—Who are Entitled to Trade Lists?" E. W. Kirkpatrick, McKinney, Texas; Jim Parker, Tecumseh, Okla.

"Our Mailing Lists—Should They be Classified?" C. J. Maloy, Rochester, N. Y.; A. J. Robinson, Bedford, Mass.

"Our Mailing Lists—How Best Kept Up-to-Date?" C. J. Brown, Rochester, N. Y.

Entertainments.

Wednesday, June 14th, 2 P. M.—Special cars to Missouri Botanical Gardens.

8 P. M.—Protective Association meetings, etc.

Thursday, June 15th, 2 P. M.—No definite arrangements yet.

7 P. M.—Ladies ride to Summer Gardens.

8 P. M.—Shaw Banquet.

Friday, June 16th, 1 P. M.—"Steamer Alton" trip on the Mississippi River. Arrive at Jefferson Barracks 4.15 p. m.; military music, dress parade, etc.

AMERICAN POMOLOGICAL SOCIETY.

Fruit growers throughout the country, but more especially the citrus growers and the producers of sub-tropical fruits, will be interested in knowing that the volume containing the proceedings of the American Pomological Society meeting held at Tampa, Florida, last February has just come from the press. Secretary John Craig of Ithaca, New York, writes that it forms an indexed book of over 300 pages. He further states that the information contained within its covers is contributed by experts and specialists in their particular fields.

This volume is valuable on a three-fold account. It contains the fullest presentation of methods of handling, transporting and marketing citrus fruits to be found anywhere; it contains an important symposium on the status of pecan culture in the Gulf regions; orchard heating is one of the topics which is a live issue today, and this is discussed in the light of the most recent advances. In addition to these subjects, orchard management forms another important chapter. The history, classification and propagation of the mango by Professor Rolfs of the Florida Experiment Station is the most important contribution on mango culture thus far published. The Japanese persimmon, its propagation, culture and a method of processing the fruit so that the astringency is removed, forms an interesting chapter by Prof. H. Harold Hume of Glen Saint Mary, Florida. Persons interested in these topics and desiring the publication should write to the secretary of this national society.

The Pacific Coast Association of Nurserymen will meet at San Jose, Calif., on June 21.

GARDENERS' AND FLORISTS' CLUB OF BALTIMORE.

All the committees of the Gardeners' and Florists' Club of Baltimore are making progress in their S. A. F. & O. H. work of preparation. The ladies' committee have proved their efficiency, and their chairman, Mrs. Isaac H. Moss, is proving to be not only a hustler, but a lady of excellent executive ability. The ladies started out to land 13 prizes for bowling, etc., for lady contestants, and they secured 18 splendid valuable prizes, from magnificent silver cups to cut glass and other things that inspire the feminine admiration and taste. There will be no lack of an enjoyable time for the fair sex.

The program proposed for the entertainment of the coming conventioners will not only prove there is a "fellow feeling" with Baltimoreans, but that Maryland hospitality is a chronic habit with its citizens. The Governor, and the Mayor of Baltimore will be on hand at the opening of the convention to extend a genuine welcome and turn over the keys of the city to the convention guests.

Mack Richmond, who has charge of the floor exhibit space, says more space is already disposed of than was ever sold at any previous convention. The exhibitors will be from a dozen or more States and the 60,000 square feet of unobstructed floor in the perfectly lighted armory will afford ample opportunity for artistic effective arrangement of exhibits. The unprecedented hot spell does not put the least embargo on the earnest workers, and last night at the regular monthly meeting, with roasting weather, the Club had the best attended meeting ever held in any summer in its history. It was the convention work that made the members "forget it"—the weather. Interested occupation is better to help counteract unduly hot weather—so cover up the thermometer and simply surmise, or "guess," it is "quite warm."

At a previous meeting of the Club Edward Kress, of Baltimore, brought in for inspection a new rose of his own creation which he has been quietly testing for three years. It was of such excellence that the President of the Club, on request of the members, appointed a committee to visit Mr. Kress and inspect the plants. Last night the committee reported the rose was not only an ideal garden one, but that it possessed unusual merit, being a profuse bloomer (monthly), the blooms fully 6 inches in diameter, firm and full, and the foliage of a splendid attractive character. The color is deep crimson red, of a very velvety appearance. The rose is perfectly hardy. Some of the members conclude this rose is destined to become prominent—indeed famous.

Last night the Garrage bowling place was secured for the S. A. F. & O. H. contests. These are the finest alleys in the city and will enable the lady contestants to bowl at the same time the men do. It is located near the Belvidere Hotel.

Boddington's Bulb Bloom.

Save Money on Your Fall Bulbs—by Ordering NOW

Our Quality Bulbs are famous for results

Mr. Florist:—You can save money on the bulbs you expect to grow this Fall, if you order them now, instead of two or three months later.

We have bought heavily of the best bulbs procurable in Bermuda, Japan, Holland and French markets, and will, until July 1st, offer special inducements to encourage our customers to place their orders earlier than usual.

Send us a list showing the bulbs you wish to grow this Fall—Lilies, Tulips, Narcissi, Hyacinths, etc.—and we will make a special and confidential quotation on your order. Our regular Fall Catalogue will be ready in July, but the prices we will make you now will be at a large reduction, for the reasons stated above.

Write for "CONFIDENTIAL QUOTATION"—and write to-day. This offer is good only until July 1st, 1911.

Arthur T Boddington
Seedsmen
342 W 14th St
New York City. N.Y.

AMERICAN PAEONY SOCIETY.

The spring meeting of the American Paecony Society will be held in connection with the exhibit of the Pennsylvania Horticultural Society at Horticultural Hall, Broad below Locust street, on Thursday and Friday, June 8th and 9th. The Show Committee in charge of this year's work are as follows: Chairman, B. H. Farr, Reading, Pa.; J. H. Humphreys, care Andorra Nurseries; S. Mendelson Meehan, care Messrs. Thos. Meehan & Sons; C. Sim, care Henry A. Dreer, Riverton, N. J.; J. J. Steyer, Concordville, Pa.

The schedule of the Exhibition is as follows:

Commercial Classes.

Class.

1. Largest and best collection of named varieties, one flower of each, \$25, \$15, offered by American Paecony Society.
2. Fifty blooms, one variety, named, white, \$10, \$5, offered by B. H. Farr, Reading, Pa.
3. Fifty blooms one variety, named, dark pink or rose, \$10, \$5, offered by Andorra Nurseries, Chestnut Hill, Pa.
4. Fifty blooms, one variety, named, flesh or salmon-pink, \$10, \$5, offered by Cottage Gardens Co., Queens, N. Y.
5. Fifty blooms, one variety, named, crimson, \$10, \$5, offered by Thos. Meehan & Sons, Germantown, Pa.

Amateur Classes.

Open to amateurs and private gardeners only.

6. Largest and best collection of not less than twenty-five varieties, named, one of each variety, \$15, \$10, offered by T. A. Havemeyer.
7. Collection of not less than twelve varieties, named, one of each variety, open only to exhibitors not residing within 100 miles of Philadelphia, \$10,

\$5, offered by Henry A. Dreer, Inc., Philadelphia.

8. Collection of white varieties, named, one bloom each, \$6, \$4, offered by W. Atlee Burpee Co., Philadelphia.
9. Collection of dark pink or rose varieties, named, one bloom of each, \$6, \$4, offered by Robt. Scott & Sons, Sharon Hill, Pa.
10. Collection of salmon and flesh-pink varieties, named, one bloom of each, \$6, \$4, offered by Thos. Meehan & Sons, Germantown, Pa.
11. Collection tricolor varieties, named, one bloom each, \$6, \$4, offered by Peter Henderson Co., New York.
12. Collection crimson varieties, named, one bloom each, \$6, \$4, offered by Geo. H. Peterson, Fairlawn, N. J.
13. Six blooms of any one variety, named, \$6, \$4, offered by W. W. Kline, Reading, Pa.

Open Classes.

14. Best six blooms of Duchesse de Nemours, \$2.50, offered by F. H. Wild Floral Co., Sarcoxie, Mo.
15. Best vase of twenty-five pink peonies of one variety, \$5.00, offered by Henry F. Michell Co., Philadelphia.
16. Best twelve pink varieties, six blooms each, \$10.00, offered by S. G. Harris, Tarrytown, N. Y.
17. Best collection of Japanese varieties, one bloom each, \$5.00, offered by Henry F. Michell Co., Philadelphia.
18. Best new American Seedling Peony, not in commerce previous to 1908, name of originator to be given, \$10.00, offered by Andorra Nurseries, Chestnut Hill, Pa.

AMERICAN SEED TRADE ASSOCIATION.

The 29th Annual Convention will be held at Marblehead, Mass., Tuesday, June 20 to 22, 1911. The opening session is called for 10 o'clock a. m.

The Rockmere Hotel has been selected for the headquarters and the

following rates have been offered to the membership:

For 75 to 100 persons, the best rooms at \$5.00 per day, each person. These rooms have bath or running water. For 100 persons in smaller rooms, or large rooms in nearby cottages, \$4.00 per day, each person. For 30 persons in small rooms in cottages, \$3.00 per day, each person. Rates include all meals and accommodations; should be secured in advance, if possible. Marblehead is about 16 miles from Boston and it is necessary to transfer from the South Terminal to the North Station, which may be made on the Boston Elevated. Baggage should be checked through to Marblehead.

On account of the necessary change in the convention city made since the Executive Committee met in January, it has been necessary also to change the program. As this is not quite completed, it will follow shortly.

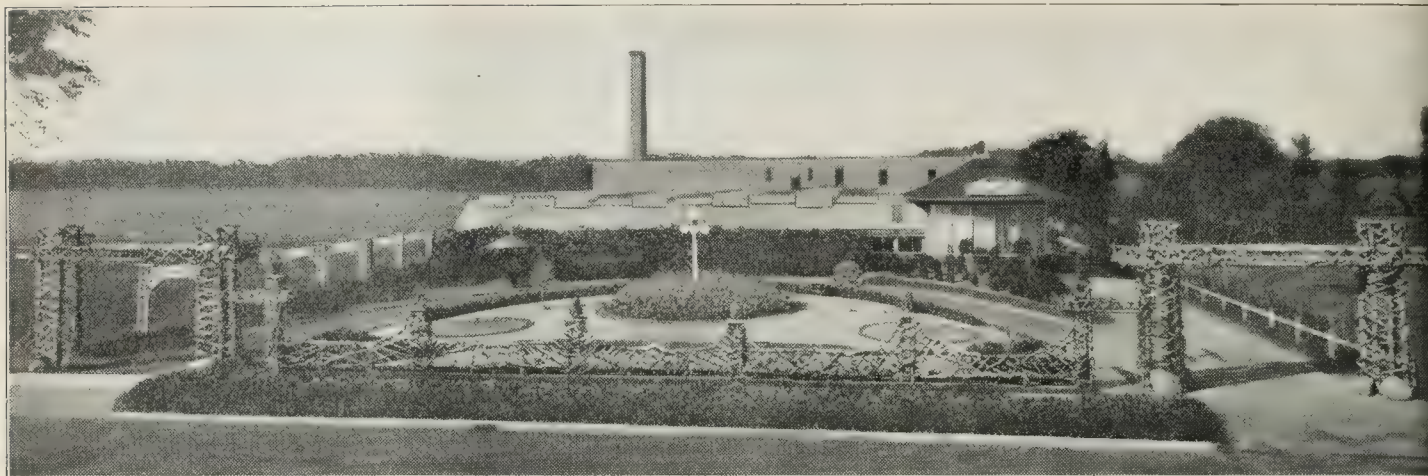
The latest crop reports from the prominent growers will be a feature, and there will be reports of much interest from our State correspondents in regard to Legislative action in the various States this past winter.

C. E. KENDEL, Secretary.

YONKERS HORTICULTURAL SOCIETY.

On Friday, 19th inst, a well attended meeting was held in Wiggins Hall. Business relating to the spring show was discussed and it was decided to hold that exhibition in Hollywood Inn, on Wednesday, June 14th. A good

SOME EVANSTON FLORISTS.



Evanston is Chicago's nearest north suburban town and has as progressive, wide-awake florists as can be found anywhere in the country. Most of them have their own greenhouses and their retail stores are models of taste and convenience. Evanston has many florists and several are now retired, leaving the active work to their sons. Farthest north is the new place of R. F. Gloede, a cut of which is given here. Five modern houses are set in spacious grounds, artistically laid out. The front is a perfectly kept lawn containing flower beds while the rear shows the nursery stock all so complete and harmonious that no one would think it a newly executed piece of work. About four years ago his old place was bought by the drainage canal commissioners and he bought the ground for the new one, putting into effect his favorite motto, "Leave

the world more beautiful than you find it." The rustic fence and entrances are particularly beautiful.

The next place on the way back to Chicago is that of M. Weiland, one of the veteran florists of this vicinity, seventy-three years old and retired, leaving the trade well represented by his four sons, John and George in Evanston, Peter Weiland in New-castle, Ind., Henry Weiland in Denver, Colo. Peter Olinger in Cincinnati, and John Didier in Chicago, sons-in-law, are also florists. The six are all well established and have retail stores with greenhouses. The original Weiland plant is now in the residence district and must soon give way to the growing city. Geo. Weiland's houses on the opposite side of the railroad are being replaced by a modern range of eleven houses, 25 x 125 feet, with ample service sheds. A fine retail

store is part of this equipment and Mr. Weiland last summer purchased the entire block.

The Fischer Bros. are progressive young men who opened a retail store on Dempster street and have worked up a fine trade. They built a small but model range of houses last year and will extend their area soon. Peter Fischer has retired and rented his greenhouses. John Weiland's large establishment on Greenwood street is in fine shape, centrally located and was built last year at a cost of \$32,000.

N. K. Welter grows all the flowers for his retail store, which is at 527 Main street. In his two large ranges were seen an immense supply of Boston Market carnations, large, elegant blooms, and Mr. Welter says his cut has been almost unlimited during the entire season with prospects for plenty for Memorial Day.

schedule has been drawn up, and members of neighboring societies are cordially invited to compete.

Darwin tulips were finely shown by S. Untermeyer and Supt. H. Turner, and were awarded a certificate of merit, the judges adding that they had never before seen so fine an exhibit in that section of the tulip family.

Members are looking forward to a good time at a clam bake to be held at Rye very shortly.

H. M. B.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club will celebrate its 25th anniversary June 28th, 1911, with a banquet to its members and invited guests at Peckmann's Hotel at 7 o'clock. This was decided at a meeting by the committee in charge. Secretary Beneke will mail all invitations in June with acceptances returnable by the 15th. There are quite a few who were at the first meeting 25 years ago who will be present with a seat at the head table.

CLUB AND SOCIETY NOTES.

The Rochester Florists' Association has selected the five managers to represent the association on the Board of Managers of the Rochester Industrial Exposition Association, as follows: George B. Hart, Charles H. Vick, F. J. Keller, E. P. Wilson and John Dunbar. At the organization

meeting President Hart was present, and was elected a director.

The Preliminary schedule of the First Annual Dahlia Exhibition of the New Haven County Horticultural Society, to be held at Harmanie Hall, New Haven, Conn., Wednesday and Thursday, September 13-14, 1911, has been issued. There are 59 regular classes for amateur and professional exhibitors, also generous specials from the following donors: Lord & Burnham Co., New York; Pierson U-Bar Co., New York; H. A. Dreer, Philadelphia; Forbes & Keith, New Bedford, Mass.; John Lewis Childs, Floral Park, N. Y.; R. & J. Farquhar & Co., Boston; A. W. Davidson, Ansonia, Conn., and H. W. Farnam, New Haven.

For further particulars, apply to the secretary, F. H. Wirtz, 86 Nicoll street, New Haven, Conn.

A HOUSE WARMING.

Doubleday, Page & Co., as on several previous happy occasions, opened their new offices and plant, The Country Life Press, at Garden City, Long Island, N. Y., on Tuesday last, to invited guests, largely horticultural, to the number of 500 or more. A special train from the Pennsylvania Terminal was put on for the accommodation of the guests of the company and hospitality was extended without limit. Attendants and guides were on hand to conduct the visitors from one depart-

ment to another, through the work-rooms, which were all in full operation, the offices, reception rooms, library and other appurtenances of this great establishment. Refreshments were served in the beautiful flower gardens which have been laid out in the park-like grounds. Altogether, it was a revelation to the visitors of what is possible under up-to-date policies and philanthropic enterprise in the equipment and adaptation of a modern publication outfit. Over all, the atmosphere of country life holds sway—and what a contrast to the old-time factory aspect of such establishments!

RECIPROCITY.

President Taft, at the Associated Press dinner in New York, said in reference to the proposed reciprocity with Canada, that "the question we have to answer is whether we propose to maintain an artificial wall across a country 3700 miles in length to prevent the natural trade that would flow between two nations of people of the same language, of similar character, traditions, business habits and moral aspirations, when the removal of that wall would furnish economic advantage to each country without the added responsibility of government and political control." That leaves little more that needs to be said, and we believe that the great majority of people on both sides of the "artificial wall" are fully in accord with the president's views.

Dreer's High Grade Hardy Perennial Phloxes

These are not dug from the field, but are one-year-old, field-grown plants which were dug early in the season, cut back, potted up into three-inch pots, and are now well established, with a good ball of soil, and will give a wealth of bloom this season.

STANDARD COLLECTION OF CHOICE HARDY PHLOX

Price for any of the varieties listed below, **\$5.00 per 100, \$40.00 per 1000**



HARDY PHLOX

Jean d'Arc (Tall.) A good standard late white.
Louis Blanc (Tall.) Reddish-violet, with purple shadings and darker eye.
La Vague (Medium.) Pure mauve, with aniline-red eye.
La Mahdi (Tall.) Deep reddish-violet, with darker eye.
Louise Abbema (Dwarf.) Very large dwarf, pure white, of fine form.
Mme. Paul Durtie (Tall.) A delicate lilac rose, reminding one of some of the beautiful soft pink Orchids.
Mozart (Tall.) Ground color white, suffused salmon; aniline-red eye.
Mrs. Jenkins (Tall.) The best tall early white for massing.
Obergartner Wittig (Medium.) Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.
Pantheon (Tall.) Bright carmine rose.
Prosper Henri (Dwarf.) Pure white, with large decided eye of rosy magenta.
Pacha (Dwarf.) Deep rose pink, suffused with solferino-red and carmine-purple eye.
R. P. Struthers (Tall.) Rosy carmine, with claret-red eye, fine.
Sunshine (Dwarf.) Large, aniline-red with crimson-red eye and light halo.
Selma (Tall.) Large flower, pale rose mauve, with claret-red eye.
Siebold (Tall.) Bright vermilion red, overlaid with orange scarlet; crimson-red eye.

Albion (Medium.) One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.
Antonin Mercie (Medium.) Light ground color, upper half of petal deeply suffused bluish blue; large white halo.
Baccabante (Tall.) Tyrian rose with crimson-carmine eye.
Beranger (Dwarf.) Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.
Bridesmaid (Tall.) White, with large crimson-carmine centre.
Belle Alliance (Medium.) White, with large pure red eye.
Clara Benz (Dwarf.) Lovely carmine rose, with darker eye.
Colibri (Tall.) White, with crimson-carmine centre; very late.
Consul H. Trost (Medium.) Pure red, with bright French-purple eye.
Champs Elysees (Dwarf.) A very bright rosy magenta.
Cara d'Ache (Medium.) Geranium-red, with old rose shadings and white eye; very effective.
De Miribel (Medium.) White, suffused with bright rosy scarlet, red eye.
Edmond Rostand (Medium.) Reddish violet, shading brighter towards the centre, with an exceptionally large white centre.
Eugene Danzavillier (Tall.) Lilac, shading white towards the edges; large white centre.
Edmond Boissier (Dwarf.) Bright reddish-violet, with large white halo.
Eclairer (Tall.) Brilliant rosy magenta, with large lighter halo.
General Giovaninelli (Dwarf.) Bright tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.
General von Heutz (Medium.) Scarlet, with rose shadings and crimson-red eye.
Hermine (Dwarf.) The dwarfiest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.
Helena Vacaresco (Dwarf.) Very large-flowering dwarf, white.
H. O. Wijers (Tall.) White, with bright crimson-carmine eye.
Henry Murger (Tall.) White crimson-carmine centre.
Henry Marcel (Medium.) Pure red, with bright salmon shading.
Henry Boyer (Medium.) Tyrian rose, with lighter shadings.
Jules Cambon (Medium.) Brilliant reddish-purple, with exceptionally large, pure white centre.
Sarabande (Medium.) Reddish-violet, with lighter shadings.
Von Goethe (Tall.) Tyrian rose, suffused with carmine lake and carmine-red eye.
Von Hochberg (Tall.) The ideal crimson Phlox.
Vesuvius (Medium.) One of our own seedlings; pure red with bright purple eye; a dazzling color.
Von Lassburg (Medium.) The purest white in cultivation, individual flowers larger than any other white.

THREE FINE NEW HARDY PHLOX

Price of the New Varieties:

\$1.50 per doz.; \$10.00 per 100; \$90.00 per 1000

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.
Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flower, of dwarf habit.
Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia

The Above Prices Are Intended for the Trade Only.

A. N. PIERSON, Inc.

CROMWELL, CONN.

COLEUS

Verschaffeltii, Firebrand, Golden Queen, Lord Palmerston, Queen Victoria, Beckwith's Gem, Golden Bedder, Hero, Messy.

A very fine assortment of twelve kinds not listed above.

All of the above out of 2¼-inch pots: \$2.50 per 100, \$20 per 1000.

AGERATUM

2¼-inch pots, \$2.50 per 100, \$20.00 per 1000.

SALVIA

S. Splendens, S. Bonfire, S. Zurich, S. Schenley, Boule de Feu. Out of 2½-inch pots, \$2.50 per 100, \$20.00 per 1000.

CANNAS

A very fine assortment of the best varieties, nice growing stock from 3-inch pots, of the following varieties:

Wyoming, Florence Vaughan, Gladiator, Pres. McKinley, Louisiana, Buttercup, Queen Charlotte.

From 3-inch pots, \$1.00 per dozen, \$6.00 per 100.

BEGONIAS

Glorie de Lorraine, ready now, 2¼-inch pots, \$12.00 per 100, \$110.00 per 1000. For prices on quantity write for quotations.

Begonia Prima Donna, fine pink flower, especially good for outdoor bedding, from 2-inch pots, \$4.00 per 100, \$35.00 per 1000; 2½-inch pots, \$5.00 per 100, \$45.00 per 1000; 3-inch pots, \$6.00 per 100, \$50.00 per 1000. Ready for immediate shipment.

GARDEN ROSES

Owing to the call for well established Roses from large pots that will be ready to give immediate results from garden planting, we have arranged to have ready for May delivery a fine assortment of the best varieties for the purpose.

Kaiserin Augusta Victoria, Richmond, Mrs. Aaron Ward, Killarney, Pink Cochet, White Cochet, White Killarney, Enchanter.

Prices: 50 cents each, \$5.00 per dozen, \$35.00 per 100.

PHILADELPHIA NOTES.

Notice changed date (June 8-9) for exhibition of American Peony Society in announcement in another column.

Among the pioneers of the early-closing movement in this city have been Wanamaker, Pennock-Meehan and Rice. The announcement comes again this year that during June, July and August the closing hour will be 5 p. m., daily, and 1 p. m., Saturdays—for these firms. We hope to see the late-closing ones take their courage in their hands and give their help a much-needed respite during the hot months. They won't really lose anything in the long run. Shorter hours are the order of the day for all of us—except the newspaper man.

Our distinguished friend, P. Joseph Lynch, was in Philadelphia recently arranging for supplies for the new addition to the Heller Bros.' establishment at New Castle, Ind. The new plant will cover nine acres and the initial erection of glass will cover some 100,000 square feet. The first two carloads of glass for this enterprise has been already shipped by our hustling glass manufacturer and fellow member of the Florists' Club of Philadelphia, Edward H. Flood. From what we can gather the glass contract was placed at an unprecedentedly low figure. Those who want to get in on the glass proposition had better hurry up. It is selling away below cost yet, but that will not last long. The manufacturers are getting their wind again since the Supreme Court decision and the business will soon be back on a business basis. So our building friends had better take time by the forelock.

The report which has been circulating around for many months that C. C. Trepel, who has made a success of flower and plant selling in the department stores of Manhattan and Brooklyn, is to open up with one of our big firms here (presumably Gimbel Bros.), seems to be well founded, and we look for developments. From what we have heard we believe Mr. Trepel is the man to show us Philadelphia the way. It is usually the other way about. When something had to be done in New York—it took a Philadelphian to show them. We hope the rumor is true. It will not hurt the retailers. It will only enlarge the market. That's what we want. Bigger market, so we can put up more glass. All the growers say so. After we have put up more glass, of course, we can increase our prices for our product on account of the enlarged market. The thing is as simple as A B C—more market; more glass; more flowers; bigger price!

But, joking aside, the enlargement of the selling market is really a serious thing, and from whatever direction it comes it is welcome, even if it only proves a temporary relief. You may make up your minds to one thing, however, the department stores are going to get all the immediate profit—and the growers will take just what's coming to them, and no more. The growers are not merchants yet. About forty million years from now we may look for that kind of a development. Rome wasn't built in a day. But we're progressing. The Chicago wholesalers are offering to gamble now.

Visitors: George Carson Boyd, Wil-

mington, Del.; E. W. King, Coggeshall, Essex, England; F. J. Cullen, Witham, England.

DETROIT NOTES.

Ed. Bleil, who with Miss Hattie Hobzhauer started "The Flower Shop" last fall, has severed his connection with this concern.

Tuesday, May 22nd, is Flower Day at Breitmeyer's. Society ladies will do the selling and the proceeds are for the benefit of the Tuberculosis Hospital.

In view of the coming flower show and in anticipation of other notable events in the florist line next winter, J. F. Sullivan, for many years the best club's secretary, is now being urged to serve as our next president.

Very disquieting news came from the sick room of Mrs. J. F. Sullivan last week, when it was reported that her recent auto accident had caused internal injuries and an operation was necessary. Still, after two days of anxious waiting things began to mend and as proofs of sincere sympathy were first coming to Mr. Sullivan so are now joyous wishes of speedy and complete recovery extended.

INCORPORATED.

Chicago, Ill.—W. E. Lynch Co., general florist business, capital stock \$20,000. Incorporators, Andrew J. Ryan, Edward J. Prebis, Irvin Livingston.

Des Moines, Iowa—The Perry Nursery Co., capital stock \$10,000. Incorporators, E. F. Edmondson, C. E. Wilson, S. M. Edmondson, E. B. Wilson and Ralph Edmondson.

Seed Trade

The Pennsylvania Seed Bill.

The latest in connection with this bill is that it passed the Senate on the 16th inst.; ayes, 42; nays, 1; the solitary one being Senator Buckman of Bucks Co.

Dodder or Canada thistle, more than one seed in three thousand, prohibited in the following:

	Percentage of purity.
Timothy.....	97
Alfalfa.....	
Crimson Clover.....	
Mammoth Red Clover.....	
Medium Red Clover.....	93
Alsike.....	
German Millet.....	
Hungarian.....	
White Clover.....	90
Perennial Ryegrass.....	
Red-top (hulled or solid).....	85
Canadian Bluegrass.....	75
Orchard Grass.....	70
Kentucky Bluegrass.....	
Red-top (unhulled).....	

and that the percentage of purity on these items shall be as marked on the margin, opposite each. The bill is now up to the Governor who will undoubtedly sign it.

All the amendments suggested by the Philadelphia seed delegation have been included so that the paragraph in last issue of HORTICULTURE proves to have been premature.

The farmers' clause, section 6, has been added since. It reads:

"The provisions of this act shall not apply to seeds that are grown and sold and delivered by a farmer on his own premises."

The question occurs here, what would happen to seeds grown, sold and delivered by a seedsman on his own premises? How can any one tell where a farmer leaves off and a seedsman begins or vice versa?

Section 2, which makes an official seed testing station of the Department of Agriculture, at a cost of 25c. per sample, is, we think, commendable; but it ought to include testing for vitality as well as purity—while it only mentions purity. If this were done it would be a real service and reasonable at the price and would bring in enough revenue to pay for itself, and more.

Personally, we agree with the general opinion of the trade, that arbitrary percentages are wrong in principle. We go further—we think that legislation of any kind for the seed business is uncalled for and unjust. The business as it is, is arduous and difficult enough, without adding a lot of heart-breaking red tape to it. We are sorry the bill has gone through; but section 6 ought to fix it.

G. C. WATSON.

New York's "Pure Seed" Bill.

With further reference to Assemblyman Gregg's New York State pure seed bill, now entitled: 2 Rdg. 925, 2098, Int. 834, I have just been advised that this bill was passed in the Assembly on May 15th and has gone

CANNAS In 30 Varieties

From 3½-inch pots, strong plants, \$6.00 and \$8.00 per 100.

CHRYSANTHEMUMS

Golden Eagle, Gloria, G. W. Childs, Linwood Hall, Miss May Hankey, Miss May Seddon, Merstham Yellow, Old Gold, Oct. Frost, Patty, Virginia Poehman, Vivian Morel.

From 2½-inch pots, 60c. per dozen; \$4.00 per hundred.

GENERAL COLLECTION.

Col. D. Appleton, Golden Dome, Mrs. Clay Frick, Mille. Jeanne Rosette, Nagoya, Pacific Supreme, The Harriott, White Shaw, Yellow Eaton.

Rooted Cutting, 30c. per dozen; \$2.00 per 100. From 2½-inch pots, \$3.00 per 100.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Early Snow, Golden Glow, Geo. Kalb, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, J. K. Shaw, Maud Dean, Meta, Monrovia, Moneymaker, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Mrs. Robt. McArthur, Major Bonaffon, Mad. Ferd Bergeman, Polly Rose, Pink Ivory, Riverside, Robt. Halliday, Solelle D'October, Timothy Eaton, W. H. Lincoln, White Bonaffon, William Duckham.

Rooted Cuttings, 30c. per dozen; \$2.00 per 100; \$15.00 per 1000. From 2½-inch pots, 50c. per dozen; \$3.00 per 100; \$25.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size pots	100
ALYSSUM.....	2¼-in.	\$3.00
ACHYRANTHES, 5 sorts.....	2¼-in.	3.00
ABUTILON Savitzii.....	2¼-in.	4.00
ABUTILON Savitzii.....	3-in.	6.00
AGERATUM, Blue and White.....	2¼-in.	3.00
AGERATUM, Blue and White.....	3½-in.	5.00
ALTERNANTHERAS.....	2¼-in.	3.00
AMPELOPSIS Veitchii.....	3-in.	8.00
ASPARAGUS Sprengeri.....	2¼-in.	3.00
ASPARAGUS Sprengeri.....	3-in.	6.00
ASPARAGUS Sprengeri.....	4-in.	10.00
BEGONIA, Vernon, Erfordii, Snow Queen, Crimson Bedder and Carmine.....	2-in.	3.00
CUPHEA Platycentra.....	2¼-in.	3.00
COLEUS, All leading sorts.....	2¼-in.	3.00
COLEUS, All leading sorts.....	3-in.	4.00
CENTAUREA Gymnocarpa.....	2¼-in.	3.00
DRACAENA Indivisa.....	4-in.	15.00
DRACAENA Indivisa.....	5-in.	25.00
ENGLISH IVY.....	4-in.	8.00
FEVERFEW, Double White.....	2¼-in.	3.00
FUCHSIAS, Dble. and Single.....	2¼-in.	3.00
FUCHSIAS, Dble. and Single.....	3½-in.	8.00
FORGET-ME-NOT.....	2¼-in.	3.00
GERANIUMS, dble. and single.....	3½-in.	7.00
Special Varieties.....	3½-in.	8.00
Double and Single.....	2¼-in.	3.00
Ivy-leaved, Double.....	3½-in.	8.00
Fragrant, Rose, etc.....	3½-in.	8.00
Fancy-leaved.....	3½-in.	8.00
HELIOTROPE.....	2¼-in.	3.00
HELIOTROPE.....	3½-in.	6.00
IVY, German.....	2¼-in.	3.00
LOBELIA, New Double Blue.....	2¼-in.	4.00
LOBELIA, New Double Blue.....	3-in.	5.00
LOBELIA, Dwarf and Trailing.....	2¼-in.	3.00
MOONVINE, True White.....	2¼-in.	4.00
MOONVINE, True White.....	4-in.	10.00
PETUNIAS Single Fringed.....	2¼-in.	3.00
SALVIAS.....	2¼-in.	3.00
SALVIAS.....	4-in.	6.00
SWAINSONA Alba.....	2¼-in.	4.00
STEVIA, Compacta and Variegata.....	2¼-in.	3.00
TROPAEOLUM, Double.....	2¼-in.	4.00
TRADESCANTIAS.....	2¼-in.	3.00
VINCA Variegata.....	3-in.	5.00
VINCA Variegata.....	4-in.	10.00

Send for Catalogue.

WOOD BROTHERS

Fishkill, N. Y.

Please mention Horticulture when writing.

over to the Senate. It is now in the hands of the Agricultural Committee of the Senate, of which Hon. James H. O'Brien, Senator, is chairman.

I would recommend to the trade throughout the state to file protests

¶ You must have the best of lily bulbs to produce good flowers. You cannot afford to economize in the price of lily bulbs like you could in the price of garden hose because cheaper garden hose would merely be less valuable; whereas an ugly plant or flower has no value at all. Don't try to economize too much on the first cost of lily bulbs because it does not pay in the end. Most importers, both famous and infamous, buy where they can buy cheapest with little regard for quality. There are no bulbs produced with more care than Horseshoe Brand Bulbs. Cold Storage deliveries at any time.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

with the Senate Agricultural Committee by first mail. Yours very truly,
MARSHALL H. DURYEA,
New York State Correspondent, American Seed Trade Association.

Unfavorable Reports from Europe.

Advices received within the past two weeks regarding European seed crop are far less favorable than earlier in the season. Some weeks ago, reports while not altogether satisfactory, were very much more encouraging than last year, but recently there has been a change for the worse and this affects biennials, especially root crops such as beets, carrots, mangels, turnips, etc. If very recent information regarding beets and carrots can be relied on, it seems that we are in for as short crops as last season, and with no reserves to fall back on, prices are likely to reach new high levels the coming season. We shall be able to give more detailed information later on, but enough is known at present to cause a great deal of anxiety on the part of the trade throughout the country.

The Home Outlook.

The extreme heat of the past week or ten days together with the severe drought, are causing seed growers in all parts of the country a good deal of worry, with the possible exception of those in California. A change for the better—that is, for cooler weather and good rains, would be very welcome and, as it is yet early, crops have not suffered any very serious damage thus far, with the exception of the grain and hay crops in which seedsmen are only indirectly interested. Peas are generally coming up in a satisfactory way, but a few good rains would be highly beneficial and helpful towards securing good crops.

Indications at this time are that the pea crop in Delaware and Maryland will be decidedly short, owing to the extreme drought as well as heat, but the former is more directly responsible for the shortage. Undoubtedly, the pack in the two states named will not be even as large as last year, which was rather below average. We shall be able to give more definite information in the course of a few weeks as packing will not begin until after June 1st, owing to the crop being late this year.

A New Seed House.

A new seed house is to be started in Albany under the firm name of Houghton & Sherman. Mr. Sherman is of the former firm of Sherman & Eberle. He sold out his interest two years ago to his partner, Frederick W. Eberle, and after thinking it over for a considerable time, has decided to again engage in the business with which he has been connected for a great many years. It would seem as if Albany had something of an oversupply of seed houses, but as the majority of those engaged in the business draw their trade largely from other parts of the country, the addition of one more may not make very much difference. We certainly offer Mr. Sherman our best wishes for success and hope he will do everything possible to uphold the good name and reputation of the seed business.

DON'T FAIL TO SOW MICHELL'S "DISTINCTIVE" PANSIES

A FEW OF OUR LEADERS

Micell's Giant Exhibition. For size of bloom, heavy texture and varied shades and colors, with their distinct markings, this strain cannot be excelled. $\frac{1}{2}$ trade pkt., 30c.; 50c. per trade pkt.; $\frac{1}{4}$ oz., 75c.; \$5.00 per oz.
Triumph of the Giants. Produces on long stems flowers of immense size; the petals being very broad and overlapping each other make the flowers appear almost double; many beautiful shades. 60c. per $\frac{1}{2}$ trade pkt.; trade pkt., \$1.00; \$2.00 per $\frac{1}{4}$ oz.; per oz., \$7.00.

	Trade Pkt.	Oz.
Bugnot, Odier and Cassier. Superb mixture	\$0.50	\$4.00
Giant Trimardeau. Very large flowering	.30	1.25
Mad. Perret. Blooms very early; fragrant; especially rich in red shades.	.50	2.50
Masterpiece. New Giant, curled	.50	4.00
Non Plus Ultra. Giant blotched varieties	.50	3.00
Odier or Blotched. A beautiful strain	.50	3.00
Parisian Large Stained. Large flowering	.40	1.75
Finest English. Large flowering	.25	.75
Very Fine Mixed	.15	.50

GIANT SORTS IN SEPARATE COLORS

1535 Giant Prize Azure Blue	.40	1.50
1537 " " Black Blue	.40	1.50
1539 " " Emperor William. Blue	.40	1.50
1541 " " Hortensia Red	.40	2.00
1543 " " King of the Blacks	.40	1.50
1545 " " Lord Beaconsfield. Purple violet	.40	1.50
1549 " " Peacock. Blue, claret and white	.40	2.50
1551 " " Snow Queen. Pure white	.40	1.50
1553 " " Striped and Mottled	.40	1.50
1557 " " White with Eye	.40	1.50
1559 " " Pure Yellow	.40	1.50
1561 " " Yellow with Eye	.40	1.50

HENRY F. MICHELL CO., 518 Market Street PHILADELPHIA

Notes.

The fifth annual meeting of the Iowa Seed Dealers' Association will be held at the Chamberlain Hotel in Des Moines on Tuesday, June 6th.

San Francisco, Cal.—A new seed firm, the Hallowell Seed Co., has begun business at 266 Market street. The manager, H. Hallowell, was formerly with C. C. Morse & Co.

Carlos Jensen, manager of the export department for L. Daehnfeldt Odense, Denmark, is making a two months' visit to America this spring. He spent May 15th and 16th in Chicago and, talking to our correspondent there, said he had a very exalted opinion of American seedsmen and that he never should forget the royal way in which he had been entertained here, though a stranger.

Josiah Young, the Troy seedsman, who went into bankruptcy some few months ago, has bought the greenhouses connected with his former business, from the receiver and is now conducting this and it is the wish of all who know Mr. Young, that he may be prosperous and successful in this department. His old store is occupied by another line of business and at the present time, our genial friend, H. W. Gordinier, enjoys a practical monopoly of the seed business in Troy.

Hjalmar Hartmann & Co. report with regard to the present outlook for cabbages for crop 1911: The winter was very mild and not very moist, so that the over-wintering of cabbages was extraordinarily good and with only a very little percentage of death heads—5-10 per cent of the late cabbages and 35-50 per cent of the early cabbages. The heads started growth very early, but severe frosts with storms the 5th, 6th and 7th of April injured the new shoots somewhat and it is not easy to say to what extent this late winter will influence the fur-

ther growing, but as far as the present outlook goes, the crop is prosperous.

Hjalmar Hartmann & Co. are sending out to the American trade the following communication.

As we have heard that a New York representative of a new Danish firm, has been offering an early cabbage named "Earliest Danish Summerballhead," as being precisely the same as our "Copenhagen Market," we warn those buying any seeds thereof from him or his firm, as to be the same as offered by us under the name "Copenhagen Market," that it can absolutely not be genuine, if not grown from our stock.

"Copenhagen Market." we found in our trial grounds in 1908 and seed thereof was offered the first time to the trade by us September, 1910, and we decided then to name it "Copenhagen Market." No other firm can sell any seeds as the same as "Copenhagen Market" or named so, when not bought from us. "Danish Summerballhead" is an old well-merited "Summer Cabbage," grown and offered by us for at least seven years, but not as early, large-headed and equal maturing as "Copenhagen Market."

To avoid confusion, which seems to be the result of above named representative's acting, we have taken steps to forbid him to offer any seeds not grown by us as precisely the same as "Copenhagen Market," in order to protect the interests of our customers and the trade.

CATALOGUES RECEIVED.

Fairbanks, Morse & Co., Inc., Chicago.—The Eclipse Pumper.

J. G. Harrison & Sons, Berlin, Md.—Sheet of Surplus Stocks of Fruit and Ornamental Trees and Shrubs. Wholesale quotations.

Watkins & Simpson, London, England.—Seeds of Vegetables and Florists' Flowers, also Perennials and Biennials for Summer and Autumn Sowing.

Howard Smith & Co., Los Angeles, Cal.—General Catalogue for 1911. New Shasta daisies and cactus dahlia Mrs. H. Shoesmith on a jet black background make striking cover illustrations for this handsome catalogue. Many novelties are listed and the illustrations are especially well done.

**BEGONIAS GLOXINIAS**

in separate colors

Asters in all varieties and in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER FISKE RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - BOSTON

LEONARD SEED CO.PRODUCERS AND
WHOLESALE
MERCHANTSONION SETS
Write Us for PricesLargest Growers of Peas, Beans and Garden
Seed. Headquarters
229-230
W. KINZIE STREET CHICAGO**SEED POTATOES**Bovee Northern
Carman No. 1 Beauty of Hebron
Early Rose Puritan
Green Mountain

Queen and Rural New Yorker

\$3.50 Bbl.**WM. ELLIOTT & SONS,**

42 Vesey St., New York

SEEDSAsparagus Plumosus \$2.00 per 1,000.
SPRENGERI \$1.00 per 1000. STRAW-
BERRY GUAVA 20 cts oz. SMILAX 25 cts
per oz. All from my own plants.

C. H. Gardiner, South Pasadena, Calif.

BRIDGEMAN'S SEED WAREHOUSE**RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

SEEDS BULBSFor Immediate Planting
Finest Florist Strains**"BUDS"****C. R. CLOECKNER, Pres.**
76 Barclay Street, New York

Headquarters for

SPRING BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

VEGETABLE PLANTSCABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85¢ per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85¢ per 1000.
CELERY, White Plume, \$1.00 per 1000.
BEET, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsman

ROCHESTER, N. Y.

Florists and Seedsmen Sell Your Own Scratch or Poultry FoodWe will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:— I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.**FINEST FLORISTS' SEEDS**

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.**Import Bulb List**Well Worth Reading
SEND FOR A COPY**The W. W. Barnard Co.**
108-110 W. Kinzie St., CHICAGO**Burpee's Seeds**

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

*Thorburn's Seeds***Asparagus Plumosus Nanus**

New Crop Just Received

We offer while unsold as follows:

1,000 seeds \$2.50.
5,000 seeds and up @ \$2.25 per 1000
10,000 seeds and up @ 2.00 per 1000
20,000 seeds and up @ 1.75 per 1000.**Cold Storage Lily of the Valley Pips**

HIGHEST GRADE

Cases of 1000 pips @ \$13.00 per case
Cases of 3000 pips @ 36.00 per case**J. M. THORBURN & CO.**33 Barclay Street
NEW YORK**CHOICE SEEDS**FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.**THOMAS J. GREY CO.**
32 South Market Street, Boston, Mass.**Braslan Seed Growers Co.**

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

**J. A. VALENTINE
Pres.**

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Floral Park, Long Island, N. Y.—Adolph Jaenicke has been petitioned into bankruptcy.

Harrisburg, Pa.—Chas. L. Smith has gone into bankruptcy with liabilities of \$13,000 and assets of \$7,000.

Montreal, P. Q., Can.—S. S. Bain has moved to a location on St. Catherine street, almost opposite his old stand.

Providence, R. I.—The stock of John F. Wood was damaged on May 2nd during a fire in the block in which the store is located.

Rochester, N. Y.—Thomann Bros. intend to discontinue their store, 3 Clinton street, as their landscape work takes up all their time.

STEAMER DEPARTURES

American.

St. Paul, N. Y.-S'hampton...May 27

New York, N. Y.-S'hampton...June 3

Anchor.

Caledonia, N. Y.-Glasgow...May 27

Atlantic Transport.

Minnehaha, N. Y.-London...May 27

Minnewaska, N. Y.-London...June 3

Cunard.

Franconia, Boston-Liverpool...May 30

Lusitania, N. Y.-Liverpool...May 31

Pannonia, N. Y.-Mediter'n...June 1

Caronia, N. Y.-Liverpool...June 3

Campania, N. Y.-Liverpool...June 7

Hamburg-American.

Pennsylvania, N. Y.-H'burg...May 27

Cleveland, N. Y.-Hamburg...June 1

Moltke, N. Y.-Mediter'n...June 3

Holland.

Ryndam, N. Y.-Rotterdam...May 30

Potsdam, N. Y.-Rotterdam...June 6

Leyland.

Canadian, Boston-Liverpool...May 27

Winifredian, Boston-Liv'pool...June 3

North German Lloyd.

Prinzess Irene, N. Y.-Medit'n...May 27

Kronp. Cecilie, N. Y.-Bremen...May 30

Bremen, N. Y.-Bremen...June 1

Kro. Wilhelm, N. Y.-Bremen...June 6

Red Star.

Vaderland, N. Y.-Antwerp...May 27

Kroonland, N. Y.-Antwerp...June 3

White Star.

Majestic, N. Y.-Southampton...May 31

Cedric, N. Y.-Liverpool...May 27

Arabic, N. Y.-Liverpool...June 3

Cymric, Boston-Liverpool...June 6

Adriatic, N. Y.-Southampton...June 7

Rugby, N. D.—Niles P. Lindberg, florist, has filed a petition in bankruptcy. Liabilities, \$8,451.05; assets, \$7,572.00, mostly exempt by law.

Spokane, Wash.—Fred W. Williams, proprietor of F. W. Williams Co., florists, has filed a petition in bankruptcy. Liabilities, \$12,938.50; assets, \$9,255.18.

Montreal, P. Q., Can.—A part of Lyons' drug store is now occupied by the Canadian Floral Co. This store is west of their previous location on St. Catherine street.

Denver, Colo.—An investigation into the conditions of the 20-year lease of seven acres of state school lands held by the Park Floral Co., is under way. It is said that indications point to a very much larger rental figure or a cancellation of the lease. This land lies in the most desirable residence section of the city.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. **Telegraph and Cable address, Dardspier**

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated

ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE Florists' Supply House of America

New Goods for Memorial Day,
Graduations and June Weddings.

**H. BAYERSDORFER & CO., 1129 ARCH STREET
PHILADELPHIA, PA.**

CHICAGO NOTES.

Peonies.

Peonies have made a new record this year. At this writing, May 22nd, the market has been flooded with them for over a week and thousands of dozens have arrived too far open for cold storage, and with no demand, they become worthless in a short time. The Chicago Carnation Co. are now cutting their peonies at Joliet, Ill., and even closer to Chicago buds are showing color. The first shipments came in from Glen Ellen, twenty miles north, today. Vaughan & Sperry are using their entire force to put peonies into cold storage as fast as possible. The flowers are not quite so large as in former years, because of the rapid development by the excessive heat, but the quality appears first class.

A New Record.

The Weather Bureau recorded the

Established 1874.

**JOHN V. PHILLIPS
FLORIST**

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston
and all New England points to

THOS. F. GALVIN

124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery
in Eastern New England to

JULIUS A. ZINN

1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. TAILBY, Wellesley, Mass.
Tel. Wellesley 44-1 and 2. Night 44-3

highest temperature for May since the establishment of the department here. Ninety degrees was reached day after day, while nearer the earth 96 degrees in the shade was not uncommon in various parts of the city. Under the glass the plants had a severe test of their powers of endurance, for this almost intolerable condition lasted over a week.

Trade Jottings.

Chas. Erne has resigned his position as head of the cut flower department of the E. H. Hunt Co. No announcements are made yet as to Mr. Erne's plans or as to who will be his successor.

J. P. Brooks of Morton Grove has the material on the ground for three new houses, 27 x 100 feet. The John C. Moninger Co. furnish the material and work will commence immediately after Memorial Day.

Kennicott Bros. Co. will open their branch commission house on the second floor of the Fairbanks Building, next week. The manager, Nick Miller, is suffering from a badly sprained shoulder, which has delayed the opening.

Fifty growers are now in the Flower Growers' Association, and practically all the stock is taken. A meeting for completing all details preliminary to opening will be held June 5th. With so many new opportunities to handle his stock next season, the grower can feel confident that quality is going to count more than ever.

Geo. Walther, retail florist, 435 W. 63rd street, finds it worth while to mail his customers a leaflet on the care of plants at this time of the year. It answers the double purpose of giving practical help and advertising the store. This store has again adopted the plan of closing at 6 o'clock three nights each week during July and August.

Hunt Bros. of Park Ridge, Ill., are growing some fine salpeglossis which are 4 feet high and of beautiful coloring. They also grow the *Dimorpha theca aurantiaca*, the deep orange African daisy and it proves a splendid hot weather plant. As a window flower it cannot be excelled in hot weather as it withstands any amount of heat; in fact, will not open in less than 72 degrees.

Personal.

Mrs. Frank Beu is the latest to

suffer with a very sore hand as the result of injury handling stock.

E. E. Peiser underwent the ordeal of an examination at the Wesley Hospital by five physicians Sunday. The X-ray was used and a heart difficulty located.

Charlie Johnson of the Washington Floral Co., is again about after a serious operation on his neck. A tumor was removed and one week afterward he was in the market again.

Visitors: Wm. Rehm, American representative of L. Daehlfeldt, Odense, Denmark; H. A. Fisher, Kalamazoo, Mich.; W. T. Hempstead, Bloomington, Ill.; A. L. Halsted, Belleville, Ill.; John A. Evans, Richmond, Ind.; A. W. Brandt, Indianapolis, Ind.; H. Junge of Smith & Young, Indianapolis, Ind.; H. O. Hanna, Sherman Floral Co., Sherman, Tex.

NEW FLOWER STORES.

Lorain, Ohio—Mercer & Cauk.

Houghton, Mich.—Harper & Thomas.

Delta, Colo.—The Delta Floral Co., Fourth and Main streets.

San Francisco, Cal.—Brown & Kennedy, 3091 Sixteenth street.

San Francisco, Cal.—Canapa Bros., Mission street near Sixteenth.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by
Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.

Amsterdam, N. Y.—Hatcher.

Boston—Thos. F. Galvin, 124 Tremont St.

Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.

Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.

Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.

Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.

Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Breitmeyer's Sons,

Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—W. H. Long, 412 Columbus Av.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tallby.

AMERICAN BEAUTIES

3500 Plants—2 Inch Pots
\$50.00 per 1000]

These plants are in fine condition, ready for immediate shipment. Our price is very attractive, much below the regular market price.

The Leo Niessen Co.

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

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AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

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Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

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CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

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CUT FLOWERS

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162 N. Wabash Ave., CHICAGO

ROSES AND CARNATIONS
Our Specialties.

George B. Hart

WHOLESALE
FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON May 25	CHICAGO May 23	TWIN CITIES May 25	PHILA. May 23
Ara. Beauty, Fancy and Special...	15.00 to 25.00	30.00 to 35.00	28.00 to 32.00	20.00 to 25.00
" Extra.....	12.00 to 15.00	25.00 to 30.00	18.00 to 25.00	12.00 to 15.00
" No. 1.....	8.00 to 10.00	20.00 to 25.00	10.00 to 18.00	8.00 to 10.00
" Lower grades.....	2.00 to 4.00	5.00 to 10.00	5.00 to 10.00	3.00 to 5.00
Bride, 'Maid, F. & S.....	4.00 to 6.00	4.00 to 6.00	8.00 to 10.00	6.00 to 8.00
" Lower grades.....	2.00 to 3.00	3.00 to 4.00	6.00 to 8.00	4.00 to 6.00
Richmond, Chatenay, Fancy & Special	6.00 to 8.00	4.00 to 8.00	6.00 to 8.00	8.00 to 10.00
" Lower grades.....	2.00 to 4.00	3.00 to 4.00	4.00 to 6.00	4.00 to 6.00
Killarney, My Maryland, Fan. & Spl	6.00 to 8.00	4.00 to 8.00	8.00 to 10.00	8.00 to 10.00
" Low. grades	2.00 to 4.00	3.00 to 4.00	6.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality..	3.00 to 6.00	3.00 to 4.00	4.00 to 5.00	5.00 to 6.00
" Ordinary.....	2.00 to 4.00	1.00 to 2.00	3.00 to 4.00	..... to 4.00
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	..... to 40.00
Lilies, Longiflorum.....	6.00 to 8.00	8.00 to 10.00	8.00 to 10.00	10.00 to 12.00
Lily of the Valley.....	2.00 to 4.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
Daisies.....	.50 to 1.00	..... to 1.00	.50 to 1.00	1.00 to 1.50
Snapdragon.....	3.00 to 5.00	4.00 to 8.00	4.00 to 6.00	..... to 5.00
Sweet Peas.....	4.00 to 8.00	1.00 to 1.25	.75 to 1.00	.50 to 1.00
Gardenias.....	4.00 to 8.00	10.00 to 20.00	15.00 to 20.00	10.00 to 15.00
Adiantum.....	1.00 to 1.25	..... to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 16.00	15.00 to 20.00	15.00 to 25.00	..... to 25.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 75.00	60.00 to 70.00	50.00 to 75.00
" " & Spren. (100 bchs.)	..... to 40.00	25.00 to 40.00	30.00 to 40.00	..... to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers ALWAYS FRESH STOCK

Long Distance Phone Randolph 2786 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers. Roses and Carnations Our Specialty

In writing to Advertisers kindly mention Horticulture

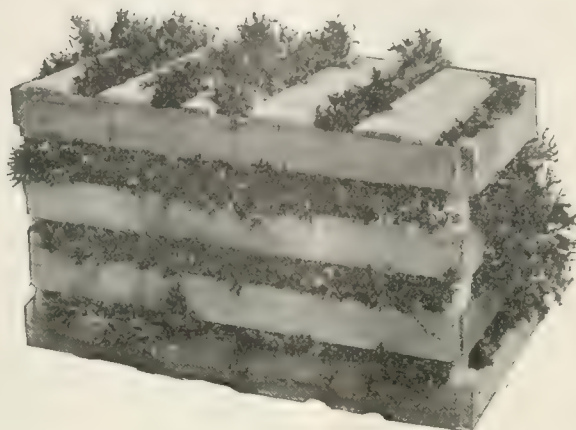
Flower Market Reports

BOSTON Boston has been suffering from an overloaded market for the past two weeks and the only consolation is the immediate proximity of Decoration Day, which is easily the best flower holiday in the year for the New England florist. Roasting weather last week is followed this week by cold and inclement skies, but the fact is that all garden material required for Memorial orders is far ahead of the average date and so we have peonies in abundance—a rare condition for this holiday—while on the other hand, our old standby, the white lilac, has already gone into innocuous desuetude. Carnations are in ample supply and roses are very abundant. Lily of the valley from outdoor sources is just right, as are also snow-balls and azaleas and the earlier rhododendrons. Sweet peas are being held in their beds by the growers until the holiday is past and their number is legion. Altogether, we would say that the Decoration Day outlook distinctly favors the buyer and the grower's best hold is to unload without going into any argument as to price.

The right kind of **BUFFALO** weather for the plantsman to bring the flowers into bloom for Memorial Day, but not the kind that growers of roses, carnations and other cut material want, with the mercury at 90 in the shade and 115 to 120 under glass, as has been experienced from Thursday to Sunday last. The hot wave that struck here brought on the outdoor stock to such an extent that its effect was felt on Saturday, when the market received tulips by the thousands, and lilacs in wagon loads, together with an enormous supply of narcissi, lily of the valley and other material. Shipments of roses are fully open, carnations, in sleepy condition, and peas much faded in color. Daisies are about the only bloom that could stand under such conditions. It cannot be said that trade was dull, but high prices were out of the question from the wholesalers' point of view. A few weddings and a light sprinkling of other floral work was had but there was plenty of stock to take care of all that was secured. The only thing that is scarce is good smilax and plumosus.

The third week in May **CHICAGO** was a new experience to even the oldest florist in Chicago. Never in the history of its wholesale market has so many flowers been lost, and never has the sun shone hotter in the month of May for nearly two weeks. Everything under glass was rendered soft, all stock suffering and none more than roses. Carnations in some localities are reported to have been ruined for Memorial Day, while in others a more hopeful feeling prevails. Beauties stood the test well and hold up to quoted price with no superfluous stock. On the 20th rain came, lasting three days, and considerably reducing the temperature. The demand increased but not the quality, the flowers not so soon recovering from a temperature of 120 degrees under glass. Peonies were ready for market a week earlier than in any previous year and arrived in enormous quantities to be thrown out worthless.

BOXWOOD SPRAYS FOR MEMORIAL DAY



A splendid lot—the finest we ever offered—for Memorial Day, \$7.50 per 50 lb. case. Low prices in quantity. Immediate shipment.

PEONIES

Good supply assured. We offer mostly of the better qualities

\$8.00 and \$10.00 per 100

Medium quality, \$6.00 per 100

June Prices on Peonies, \$30 to \$50 per 1000

S. S. PENNOCK-MEEHAN CO

THE Wholesale Florists of PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Avenue



WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

		CINCINNATI		DETROIT		BUFFALO		PITTSBURG	
ROSES		May 16		May 16		May 23		May 23	
Am. Beauty, Fan. and Sp.....	8.00 to 12.00	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00		
" Extra.....	4.00 to 6.00	20.00 to 25.00	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00	12.00 to 15.00		
" No. 1.....	..... to	15.00 to 20.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	8.00 to 10.00	
" Lower grades.....	..... to	4.00 to 12.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	
Bride, "Maid, F. & S.....	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00		
" Low. gr.....	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00		
Richmond, Chateauf, Fancy & Special	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00	5.00 to 6.00		
" Lower Grades..	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00		
Killarney, My Maryland, Fan. & Spl.	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00		
" Low. Grades	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00		
CARNATIONS, First Quality.....		..... to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	
" Ordinary.....	..... to 2.00	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	
MISCELLANEOUS									
Cattleyas.....	50.00 to 75.00	50.00 to 75.00	50.00 to 60.00	40.00 to 50.00	50.00 to 60.00	40.00 to 50.00	50.00 to 60.00		
Lilies, Longiflorum.....	4.00 to 6.00	..... to 12.50	6.00 to 8.00	..... to 10.00	6.00 to 8.00	..... to 10.00	6.00 to 8.00
Lily of the Valley.....	1.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00		
Daisies.....	.25 to .50	.50 to 1.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00		
Snapdragon.....	2.00 to 3.00	3.00 to 8.00	5.00 to 6.00	..... to	5.00 to 6.00	..... to	5.00 to 6.00
Sweet Peas.....	.25 to .35	.50 to 1.00	.40 to .75	.50 to 1.50	.40 to .75	.50 to 1.50	.40 to .75		
Gardenias.....	..... to .....	..... to 25.00	..... to .....	..... to .....	..... to .....	..... to .....	..... to
Adiantum.....	..... to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50	1.00 to 1.25	1.00 to 1.25	
Smilax.....	..... to 12.50	..... to 15.00	..... to 15.00	20.00 to 25.00	..... to 15.00	20.00 to 25.00	..... to 15.00
Asparagus Plumosus, strings (100)	..... to 35.00	30.00 to 50.00	50.00 to 60.00	30.00 to 50.00	50.00 to 60.00	30.00 to 50.00	50.00 to 60.00	
" " & Spen. (100 bchs.)	..... to 25.00	20.00 to 30.00	35.00 to 50.00	50.00 to 60.00	35.00 to 50.00	50.00 to 60.00	35.00 to 50.00	

Five thousand dozens of peonies from Kennicott's were a total loss and on Friday Manager Peiser telephoned twenty-one hospitals to send for flowers if they wished them. The result was a surprise, for not one responded, the thermometer being near the hundred mark probably the cause. Sweet peas shortened in stem, but not in number and quantities were lost. At this writing, May 22nd, appearances are for clearer and cooler weather and

upon this the florist is pinning his hope for Memorial Day business.

The extremely hot weather of last week has brought an over-abundance of flowers to the market, but very few of them were in a good salable condition. Prices are so much at variance that it is practically impossible to make any quotations of a reliable nature.

(Continued on page 792)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
#7 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

Alfred H. Langjahr
All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
55 West 28th Street, New York
Telephones 4626-4627 Madison Square

Edward C. Horan
Wholesale Florist
55 WEST 28th ST.
Tel. 1462 Madison Square New York
1463

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Kentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 786 Madison Square New York

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

THE KERVAN COMPANY
Fresh Cut Evergreens, Mosses
Southern Smilax, Galax and Lonicerae.
Preserved and Fresh cut
Cycas and Palmetto.
Tel. 1519 Mad. Sq. 113 W. 28 St., New York.
5893
REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware, Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

HEADQUARTERS FOR NOVELTIES
ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 55 W. 28th St., New York
Mad. Sq.

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending May 20 1911		First Half of Week beginning May 22 1911	
American Beauty, Fancy and Special.....	10.00	to 20.00	10.00	to 20.00
" " Extra.....	5.00	to 10.00	8.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Maid, Extra and Special.....	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Chatsenay, Extra and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, My Maryland, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Carnations, First Quality.....	1.50	to 3.00	1.50	to 3.00
" " Ordinary.....	.75	to 1.00	.75	to 1.00

BADGLEY, RIEDEL & MEYER, Inc.
WHOLESALE FLORISTS
34 West 28th Street, New York
Telephones { 1664 } Madison Square
{ 1665 }
CONSIGNMENTS SOLICITED

SIEBRECHT & SIEBRECHT
Wholesale Florists
Phone 8346 Madison Square
CONSIGNMENTS SOLICITED
136 W. 28th St., New York City

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
131 West 28th St., New York
Telephones: 798 and 799 Madison Square
Consignments Solicited

CENTRALLY LOCATED, THE HUB OF THE
FLOWER MARKET SECTION
CHARLES MILLANG
Wholesale Florist
55 & 57 W. 26 St., NEW YORK
Telephone 7062 Madison

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Sq.

FRANK MILLANG
Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Wholesale Market Rates.

KRICK'S FLORIST NOVELTIES
Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked
1164-66 B'way Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.



Flower Market Reports

(Continued from page 791)

NEW YORK Trade has been and is very slow in this market. Apart from the ups and downs due to the irregularities of weather, the steady process of diminishing towards summer dullness is plainly evident. Demand drags on every item. Roses average very low—partly because of light demand and largely because of excessive supply. Carnations are more plentiful than before, although there were more than enough for all ordinary needs right along. Decoration Day hopes are the cause of the present quotations, and it is greatly to be desired that same be realized, although the outlook is far from encouraging. After Decoration Day a little flurry is looked for in wedding and other June decorative work.

PHILADELPHIA Week ending May 20th was an average one as regards the general volume of business, and while prices were low, we believe on the whole that they fully averaged up to the same date last year. Consequently, the grower, wholesaler and dealer have nothing to complain of. The general opinion is that roses are not quite so plentiful now as they were; and while they have, like everything else, suffered from the hot weather, they are pretty good quality and the clean-up of stocks has been good. One would have expected the hot spell to bring the carnations in with a rush, but the influx has been really quite moderate, and while many of them show a weather-wilted look they stand up about as well as anything. Sales of these have been good and compare very favorably with roses. This condition is no doubt helped very much by the church processions and other recent affairs that have used up large quantities of low-priced flowers—like carnations. Each denomination and church picks out its own special Sunday for these demonstrations, and the flower trade may expect to feel the good effect for some little time yet. Orchids fairly plentiful, quality good, demand light. Lily of the valley is in normal demand, but nothing like what it will be soon when the June weddings commence. Outdoor sweet peas are now commencing to arrive and they are extra fine as to size, substance, stem and foliage. Blue cornflowers are in, and selling freely. Baby gladioli, such as Bride, Painted

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.
Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending May 20 1911		First Half of Week beginning May 22 1911	
Cattleyas.....	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum.....	3.00	to 5.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Daisies.....	.10	to .25	.10	to .25
Snapdragon.....	2.00	to 3.00	2.00	to 3.00
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 6.00
Gardenias.....	4.00	to 12.00	4.00	to 12.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	.....	to 50.00	.....	to 50.00
" " & Spem. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

New Crop Dagger and Fancy Ferns

\$1.75 per 1000. A-1 STOCK

Discount on Large Orders

Send us your order now for Memorial Day use and get the best stock.



CROWL FERN COMPANY

WE NEVER DISAPPOINT
Brilliant Bronze and Green Galax, \$1.00 per 1000, \$7.50 per case.
Boxwood, 15c per lb., or \$7.50 per case.
Bronze Leucothee Sprays, \$1.00 per 100.
Laurel Wreaths, extra nice, \$3.00 per doz.
Laurel Festooning, the best, \$5.00 per 100 yds.
Branch Laurel, 35c per large bundle.
Sphagnum Moss, \$4.00 per bale.
Bouquet Green, 7c per lb.

MILLINGTON, MASS.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.
19 Province St., Boston, Mass.
Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Lady, May, Blushing Bride, etc., are also a new and favorite item. German and Spanish iris blooms, galore. There will be plenty of peonies for Memorial Day. Greens and dagger ferns, new, good, plentiful.

ST. LOUIS The St. Louis market has not changed much from the week previous and is still glutted up with a lot of stock that is not of very good quality. Carnations are good and so are sweet peas, but roses are feeling the effect of the hot weather and are small and soft. Prices have taken a big drop and the commission man says it's better to sell in big lots cheap than to dump them. Peonies, cape jasmines, lily of the valley and lilies are very plentiful and not much sale for them. The reason of all this is that the retail business has been very dull all of last week. The hot weather kept transient trade down.

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
USE BY THE



Boston Florist Letter Co

44 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting especially adapted for florists' use.
Books Balanced and Adjusted
Merchants Bank Building
28 STATE ST. - - BOSTON
Telephone, Main 58.

Next month June weddings and school work should give the trade a good month the last of the flower season.

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
For page see List of Advertisers.

AGERATUMS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

The best Blue and White Flowering varieties, 2½ inch pots, 40c. per dozen; \$2.50 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ALTERNANTHERAS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AMPELOPSIS

AMPELOPSIS VEITCHII, 2 year, 18 to 24 inch tops, \$1.75 per dozen, \$12.00 per 100. Our new trade list of everything you need now ready, mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

AQUATICS

Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ARTSTONE FLOWER VASES

Patrick Grace, Brighton, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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Asparagus Sprengeri, strong 3 in. plants, \$5.00 per 100. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

ASPARAGUS SPRENGERII, 2½ inch pots, \$2.50 per 100. Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

AUCUBA

AUCUBA JAPONICA VARIEGATA.
This is a grand plant for the center of vases, green foliage with large yellow spots, very showy plants, 2½ to 3 feet high; well branched. 65c. each, \$6.00 per dozen.

AUCUBA JAPONICA BERRIED TYPE.
Dark green foliage, the plant almost hid with bright scarlet berries, plants two feet high; well berried 75c. each; \$8.00 per dozen.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Azaleas, fine stock plants to carry over. Van der Cruyssen, Prof. Wolters, 6 and 7 in. pots, \$35.00, 100. Chas. Encke, dwarf, 5 in., \$20.00 per 100. Make us an offer. Cash. J. Koehler & Sons, 5407 Frankford Ave., Philadelphia, Pa.

BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
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Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 50 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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A. N. Pierson, Inc., Cromwell, Conn.
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Wood Bros., Fishkill, N. Y.

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Godfrey Aschmann, Philadelphia, Pa.
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Bedding plants in variety; Heliotrope, Fuchsias, Petunias, Salvias, Ageratums, Stocks, etc., 3½ in., 6c.; Coleus, Verbenas, Mme. Sallerol, Golden Feather, Lobellias, Petunias single, 2½ in., 3c. Cash. H. Hansen, Malden, Mass.

Geranium Nutt, Ricard, Poitevine, Vland, Jauline, La Favorite, 3½ in. and 4 in., \$6.00 and \$8.00 per 100. Salvia Bonfire, Heliotrope, English Ivy, Fuchsias, 3½ in., \$6.00 per 100; Abutilon Savitzii, 2 and 4 in., \$3.00 and \$10.00 per 100; Geranium Sallerol, White Marguerites, German Ivy, Double Sweet Alyssum, 3 in., \$5.00 per 100; Verbenas, Double Lobellias, Dusty Miller, Blue Ageratum, Achyranthos Lindeni, 2½ in., \$3.00 per 100; Coleus Golden Bedder, Verschaffelt, Queen Victoria, 2½ in. and 3 in., \$2.50 and \$4.00 per 100; Green Cannas, 3½ in., \$5.00 per 100; Double White Feverfew, 4 in., \$6.00 per 100. Cash. F. Sokol, Worcester, Mass.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

Tuberous Rooted Begonias.

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A. N. Pierson, Cromwell, Conn.
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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

Bouvardias, white, pink, 2½ in. pots, ready May 25, \$4.00 per 100. Butz Brothers, New Castle, Pa.

BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Henry A. Dreer, Inc., Philadelphia, Pa.
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Joseph Breck & Sons, 47-54 N. Market St., Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
Quality Bulbs.

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Horseshoe Brand.

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"Buds," New York, N. Y.

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Spring Bulbs.

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Begonias, Gloxinias.

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CANNAS

Wood Bros., Fishkill, N. Y.

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Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

CANNAS, WELL STARTED.

Austria \$0.75 100; \$7.00 1000
Italia75 100; 7.00 1000
Chas. Henderson 1.50 100; 12.50 1000
J. W. YATES, Box 110, Tuskegee Institute, Ala.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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CEMETERY VASES

N. F. McCarthy & Co., Boston, Mass.
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CARNATIONS—HARDY

THE NEW HARDY EVER-BLOOMING
CARNATION "CRIMSON KING."

Everybody has asked for a Carnation that would live out in the garden during the winter. We have pleasure in offering this new plant, as it will fill the bill. It is absolutely hardy, standing even the Canadian winters in the yard. It blooms all summer long; never a day that you cannot cut blossoms. By potting up in the fall you can have flowers in the house all winter. The color is a rich crimson, the fragrance is delicious. We know of no plant that the florists can offer to their patrons that will give as much satisfaction as the Hardy Carnation Crimson King. 2½ in. pots, per dozen, \$1.25; per 100, \$8.00; per 1000, \$75.00. Twenty-five plants sold at hundred rates; 250 plants at thousand rates.

Our new trade list of everything you need now ready. Mailed on application. Write today.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CHRYSANTHEMUMS

SMITH'S CHRYSANTHEMUMS.

WEEKLY BULLETIN.

Fine stock ready for immediate delivery, not less than 25 of a kind at hundred, and 250 at thousand rate. The flowering season is in the order given beginning with the earliest.

WHITE	100	1000
Polly Rose	\$3.00	\$25.00
Ivory	3.00	25.00
Beatrice May	4.00	35.00
Clementine Touse	3.00	25.00
Indiana	4.00	35.00
Miss Clay Frick	4.00	35.00
Pres. Taft	4.00	35.00
Mrs. Wm. Arnold	3.00	25.00
Mlle. Margaret Desjouis	3.00	25.00
Lynnwood Hall	4.00	35.00
Convention Hall	4.00	35.00
Tim. Eaton	3.00	25.00
W. H. Chadwick	4.00	35.00
White Helen Frick	5.00	45.00
Yanoma	3.00	25.00
Jeanne Nonin	3.00	25.00

YELLOW	100	1000
Golden Glow	3.00	\$25.00
Yellow Oct. Frost	4.00	35.00
Comoleta	3.00	25.00
Yellow Ivory	4.00	35.00
Donatello	5.00	45.00
Crocus	3.00	25.00
Dolly Dimple	4.00	35.00
Yellow Eaton	3.00	25.00
Mrs. W. E. Kelley	4.00	35.00
Major Bonaffon	3.00	25.00
Golden Chadwick	5.00	45.00
Yellow Jones	3.00	25.00
Nagoya	4.00	35.00

PINK	100	1000
Glory of Pacific	\$3.00	\$25.00
Pacific Supreme	3.00	25.00
Gloria	3.00	25.00
Pink Ivory	3.00	25.00
Mrs. Wm. Wincott	3.00	25.00
Vivian Morel	3.00	25.00
Dr. Enguehard	3.00	25.00
Patty	4.00	25.00
Mayor Weaver	3.00	25.00
Minnie Bailey	3.00	25.00
Maud Dean	3.00	25.00
Pres. Roosevelt	4.00	35.00
Helen Frick	3.00	25.00
Mlle. Jeanne Rosette	3.00	25.00

RED	100	1000
L'Africane	\$4.00	\$35.00
Intensity	4.00	35.00
John Shrimpton	4.00	35.00

Those interested in ANEMONES, POM-PONS and SINGLES will be quoted upon application.

This bulletin will be changed each week to comply with stock on hand. Rooted cuttings will be furnished at 50c. per hundred, \$5.00 per thousand, less than prices quoted above.

ELMER D. SMITH & CO., ADRIAN, MICH.

Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums. Enguehard, Bonaffon, Napier, Polly Rose and Pacific Supreme, strong, healthy 2½-in. plants, \$2.00 per 100; \$18.00 per 1000. Cash. H. E. Mitting, Atchison, Kan.

CHRYSANTHEMUMS—Continued

Chas. H. Totty Madison, N. J.
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Elmer D. Smith, Adrian, Mich.
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Shatemuc Nurseries, Barrytown, N. Y.
Pompon Chrysanthemums.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Haliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonaffon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

CLEMATIS

CLEMATIS PANICULATA GRANDIFLORA, strong, one-year field grown, \$6.50 per 100, \$60.00 per 1000.

Our new trade list of everything you need now ready. Mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

Clematis paniculata from 2 in. pots, \$2.50 per 100; \$26.00 per 1000. Cash. H. G. Norton, Perry, Ohio.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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A. N. Pierson, Inc., Cromwell, Conn.
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All the leaders, except yellow foliaged varieties, 2½ inch pots, \$2.00 per hundred; \$18.00 per thousand.

Coleus, yellow foliaged varieties, 2½ inch pots, \$2.50 per hundred.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CONIFERS

Eastern Nurseries, Jamaica Plain, Mass.
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COREOPSIS

COREOPSIS LANCEOLATA GRANDIFLORA.

Invaluable for cutting; field plants divided, \$2.50 per hundred.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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We offer twenty of the choicest varieties of Crotons, suitable for bedding, 2½ inch pots, 60c. per dozen; \$4.00 per hundred; \$35.00 per thousand.

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The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Boehrs Company, Rutherford, N. J.

CYCLAMEN GIGANTEUM.

The finest strain, 2½ inch pots, \$4.00 per hundred.

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THE GOOD & REESE CO.,
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SPRINGFIELD, OHIO.

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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William A. Finger, Hicksville, L. I., N. Y.
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Shatemuc Nurseries, Barrytown, N. Y.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

Dahlias. 200,000 field-grown No. 1 stock, 50,000 clumps, balance separated. Order early for spring delivery. Catalogue free. J. L. Moore, Northboro Dahlia and Gladiolus Gardens, Northboro, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

In 50 best varieties, all classes and colors; divided field tubers, 75c. per dozen; \$6.00 per hundred.

Dahlias, green plants from 2½ inch pots. These will bloom best of all, in 100 leading varieties, 50c. per dozen, \$4.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

DAISIES

Daisies, Marguerites, 4 and 4½-in., nicely budded, \$10.00 per 100. Cash.

John Fuhbruegge, Winona, Minn.

DAISY SHASTA

From 2½ inch pots, \$3.00 per hundred. Field Grown plants, 75c. per dozen; \$6.00 per hundred.

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THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena Indivisa, 4 in., 10c. Cash, please. Lake View Greenhouses, Skaneateles, N. Y., J. G. White.

Dracaena indivisa, 4 in., \$8.00; 5 in., \$18.00 and \$20.00; 6 in., \$25.00 and \$30.00 per 100. C. H. Jacobs, Westfield, Mass.

Dracaena Indivisa, extra good stock, 6-in., \$6.00 per doz.; 5-in., \$4.00 per doz.; 4-in., \$2.50 per doz. Vinca, variegated, 4-in. pots, \$10.00 per 100. Cash. Chas. H. Green Spencer, Mass.

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schulteis, College Point, Queensborough, N. Y.

In writing to Advertisers kindly mention Horticulture

DRACAENAS—Continued

Dracaena Indivisa, 5 in., 25c.; 5½ and 6 in., 35 to 50c.; 7 and 8 in., 75c. to \$1, and larger ones \$1.50 to \$2.00. Cash. H. Hansen, Malden, Mass.

DRACENA INDIVISA

From 2¼ inch pots, \$3.00 per hundred. Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ECHEVERIA

Echeveria Secunda Glauca, \$5.00 per 100. Wm. Nilsson, Woodlawn, New York City.

EVERGREENS

New England Nurseries, Bedford, Mass. For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J. For page see List of Advertisers.
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John Scott, Brooklyn, N. Y. For page see List of Advertisers.
Frank Oechslein, 4911 Quincy Street, Chicago. Ferns for Dishes. For page see List of Advertisers.

Robert Craig Co., Philadelphia, Pa. For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y. For page see List of Advertisers.

Thomas Roland, Nahant, Mass. Boston and Scott's Ferns. For page see List of Advertisers.

Boston ferns, large 6 in. plants, 50c. each. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N.J.

Fine stock from 2¼ inch pots, ready now. **NEPHROLEPIS ROOSEVELT** (the Fountain Fern).

(New). See display advertisement in the May 13th issue of **HORTICULTURE**, page 709. The grandest of all ferns. We book your order now for June 1st delivery. \$3.50 per dozen, \$25.00 per hundred, \$200.00 per thousand.

NEPHROLEPIS BOSTONIENSIS (the Boston Fern), \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS DAVALLIOIDES FURCANS (the Fish Tail Fern), \$4.00 per 100.

NEPHROLEPIS GOODII (the Baby's Breath Fern), an improved *Amerpohlii*. \$1.00 per dozen, \$7.00 per hundred.

NEPHROLEPIS SCOTTII (the Newport Fern), \$4.00 per hundred.

NEPHROLEPIS SPRINGFIELDII (the Springfield Fern), upright fern for vases, \$3.50 per hundred, \$30.00 per thousand.

NEPHROLEPIS SUPERBISSIMA (the Fluffy Ruffles Fern) (New), \$1.00 per dozen, \$6.00 per hundred.

NEPHROLEPIS WHITMANII (the Ostrich Plume Fern), \$3.50 per 100.

NEPHROLEPIS HARRISII (the Harris Fern), a sport from Boston of stiff, upright growing habit, \$4.00 per 100, \$35.00 per 1000.

For larger size ferns write for prices. Our new trade list of everything you need now ready. Mailed on application. Write today.

IMPORTANT SPECIAL NOTICE.**PRICE ADVANCE.**

The heavy demand from those who have seen *Nephrolepis Roosevelt* growing on our place and scarcity of stock compels us to advance the price on all orders dated after June first, to the following: Two and one-fourth inch pots, 50 cents each; \$4.50 per dozen; \$35.00 per hundred; \$300.00 per thousand. It is our belief the price of *Nephrolepis Roosevelt* for 1911 will be maintained during the season of 1912.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass. For page see List of Advertisers.

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.
Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

Nitrate Humus—Nature's plant food and renewer of fertility. For potted plants, window boxes, lawns, gardens, shrubbery and trees. The Humus Products Co., 292 North Sixth St., Newark, N. J.

FICUS**FICUS ELASTICA**

Rubber plants, fine stock, \$4.00 per dozen; \$30.00 per hundred.

Our new trade list of everything you need now ready; mailed on application. Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

FLORISTS' ENCYCLOPEDIA FREE

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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.
Immortelle Letters. For page see List of Advertisers.

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M. Rice & Co., 1220 Race St., Phila., Pa. For page see List of Advertisers.

Reed & Keller, 122 W. 25th St., New York. For page see List of Advertisers.

H. Bayersdorfer & Co., 1129 Arch St., Philadelphia. For page see List of Advertisers.

S. S. Pennock-Meehan, Philadelphia, Pa. For page see List of Advertisers.

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Syracuse Pottery Co., Syracuse, N. Y. For page see List of Advertisers.

Peters & Reed Pottery Co., Zanesville, O. For page see List of Advertisers.

FRUIT BASKETS AND CRATES

Webster Basket Co., Webster, N. Y.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUNKIAS

Funkias, fine variegated foliage, 3 in., \$6.00 per 100; 4 in., \$10.00 per 100. Cash. J. Koehler & Sons, 5407 Frankford Ave., Philadelphia, Pa.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York. For page see List of Advertisers.

H. M. Robinson & Co., 15 Province St. For page see List of Advertisers.

GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland. For page see List of Advertisers.

John McKenzie, North Cambridge, Mass. Best Standard Varieties. For page see List of Advertisers.

GERANIUMS—Continued

Geraniums. Mme. Sallerol, 2¼-in., strong cool grown plants, \$2.00 per 100; special price on 1000.

J. L. Stone, Trumansburg, N. Y.

Geraniums, leading varieties: Ricard, Nutt, Poltevine, La Favorite, Montmort, etc., at \$7.00 per 100; in bud and bloom. Cash. H. Hansen, Malden, Mass.

Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

Geraniums: Mme. Sallerol, strong stock, 2 in., \$1.75; 3 in., \$2.75. Vland, Buchner, Nutt, in bud and bloom, 3 in., \$4.00; 4 in., \$6.00. Cash. Satisfaction guaranteed. Round Lake Greenhouses, East Lenox, Pa.

Mme. Sallerol Geraniums, 2¼-in. pots, \$3.00. Asters, Queen of Market, American Branching, Giant Comet in dark blue, light blue, white, pink and crimson; Crego pink and white, \$1.00. J. B. Shurtleff & Son, Revere, Mass.

GLASS

Boston Plate & Window Glass Co., Boston. For page see List of Advertisers.

Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa. Peerless Glazing Point. For page see List of Advertisers.

GLOXINIAS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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GREENHOUSE BUILDING MATERIAL

A. T. Stearns Lumber Co., Neponset, Boston.

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King Construction Co., N. Tonawanda, N. Y. For page see List of Advertisers.

J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.

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Foley Mfg. Co., Chicago. Pecky Cypress for Benches.

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S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, New York.

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GREENHOUSE CONSTRUCTION

Foley Mfg. Co., Chicago. For page see List of Advertisers.

King Construction Co., N. Tonawanda, N. Y. For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass. For page see List of Advertisers.

Lord & Burnham, 1133 Broadway, New York.

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Pierson U-Bar Co., Madison Ave., New York Designer and Builder.

Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS

King Construction Co., N. Tonawanda, N. Y. King Channel Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America. J. G. Esler, Saddle River, N. J. For page see List of Advertisers.

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HARDY FERNS AND SUPPLIES

H. M. Robinson & Co., Boston, Mass.
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Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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The Kervan Co., New York
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Crowl Fern Co., Millington, Mass.
New Crop Fancy and Dagger Ferns.
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J. Jansky, Boston, Mass.
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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.
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HELIOTROPES

A. N. Pierson, Inc., Cromwell, Conn.
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HERBACEOUS PLANTS

P. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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HOSE

H. A. Dreer, Philadelphia, Pa.
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HOT-BED SASH

A. T. Stearns Lumber Co., Neponset, Mass.
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Foley Mfg. Co., Chicago.
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Parshelsky Bros., Brooklyn, N. Y.
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Lord & Burnham Co., 1133 Broadway, N. Y.
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HYDRANGEAS

HYDRANGEA ARBORESCENS GRANDI-
FLORA ALBA (Hills of Snow) (New), 2-
year-old field grown, 3 to 5 canes, \$2.00 per
dozen, \$12.00 per hundred.

Our new trade list of everything you
need now ready. Mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

The true blue French Hydrangea from
5½ and 6 in. pots, sky blue, from 8 to 16
branches, \$9.00 per dozen. Best selected
plants, \$12.00 per dozen. Cash please. A.
Schultheis, College Point, Queensborough,
N. Y.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

For page see List of Advertisers.

Nicoticide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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Stumpp & Walter Co., New York.
Kiln-dried Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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E. H. Hunt, Chicago, Ill.
To-Bak-ine Products.

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H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

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Wilson Plant Oil and Fertilizer Co., New
York, N. Y.

Wilson Plant Oil.

For page see List of Advertisers.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made
especially by us for the Gypsy Moth Com-
mission. Limpid at all temperatures, com-
pletely penetrates the nest; kills all eggs.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.
For page see List of Advertisers.

IVIES

German Ivy, 2¼-inch, \$2.00 per 100; 3-
inch, \$4.00 per 100. C. H. Jacobs, West-
field, Mass.

ENGLISH IVY

From 2¼ inch pots, 50c. per dozen; \$4.00
per hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

KENTIAS.

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield,
Mass., Dept. 8.
For page see List of Advertisers.

LANTANAS

Best Dwarf Bedders, five distinct colors,
50c. per dozen; \$3.00 per hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMONS**PONDEROSA LEMON**

Gigantic fruit, 2¼ inch pots, 50c. per
dozen; \$3.00 per hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

LEMON VERBENAS

ALOYSIA CITRIODORA (Lemon Verbena).
The foliage has a decided lemon frag-
rance, 2¼ inch pots, 50c. per dozen; \$3.00
per hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

**LILIUM MULTIFLORUM AND GIGAN-
TEUM**

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.

For page see List of Advertisers.

LOBELIAS

Lobelia K. Mallard, good ones, 2¼ in.,
2c. J. Clint McPherson, Carrollton, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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MEMORIAL DAY SUPPLIES.

Henry M. Robinson & Co., Boston, Mass.

Welch Bros., Boston, Mass.

M. Rice & Co., Philadelphia, Pa.

MOON VINES

Godfrey Aschmann, Philadelphia, Pa.
For page see List of Advertisers.

IPOMEA MAXIMA, the giant flowering
flowers twice the size of the old variety.
Order now as there are never enough
moonvines to go around. 2¼ inch pots,
\$4.00 per 100; the old variety, \$3.50 per 100.

Our new trade list of everything you
need now ready. Mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

NATURAL PEACH PITS

Warren Shinn, Woodbury, N. J.

NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEEEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

P. Ouwerkerk, Weehawken Heights, N. J.
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New England Nurseries, Bedford, Mass.
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W. & T. Smith Co., Geneva, N. Y.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, Inc.
West Newbury, Mass.

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Bay State Nurseries, North Abington,
Mass.

Hardy, Northern Grown Stock.
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Eastern Nurseries, Jamaica Plain, Mass.
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McHutchison & Co., New York, N. Y.
Direct Importations.

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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
For page see List of Advertisers.

ORANGES**OTAHEITE ORANGE**

2¼ inch pots, 50c. per dozen; \$3.50 per
hundred.

Our new trade list of everything you
need now ready; mailed on application.
Write today.

THE GOOD & REESE CO.,
The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.

ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordonez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.
For page see List of Advertisers.

Carrillo & Baldwin, Mamaroneck, N. Y.

Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Wanted—To buy orchids, established or
unestablished plants, any quantity for cash.
E. L. N., 486 Broad St., Providence, R. I.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
liams, 200 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Julius Roehrs Co., Rutherford, N. J.
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Joseph Heacock, Wyncote, Pa.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2¼ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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In writing to Advertisers kindly mention Horticulture

PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.

For page see List of Advertisers.

A. T. Stearns Lumber Co., Boston, Mass.
For page see List of Advertisers.**PEONIES**PEONIES—1200 sorts, an enormous stock
List ready. C. Betscher, Canal Dover, O.Write for our special price list on
peonies. We have all the good ones. Our
new trade list of everything you need now
ready. Mailed on application. Write today.**THE GOOD & REESE CO.**The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.**PETUNIAS**Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.Petunias. Single, fringed California
Giants, transplanted in soil, cool grown,
\$1.50 per 100; \$14.00 per 1000. E. V. B.
Felthousen, 184 Van Vranken Ave., Schenec-
tady, N. Y.**PHOTOGRAPHS**I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.**PHLOX**We offer fifty thousand hardy phlox in
10 leading varieties, all colors, field
grown plants, \$3.00 per hundred, \$27.50
per thousand. Our new trade list of
everything you need now ready. Mailed
on application. Write today.**THE GOOD & REESE CO.**The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.**PLANT STAKES**Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.**PLANT TUBS**Bobbink & Atkins, Rutherford, N. J.
Cypress Tubs.

For page see List of Advertisers.

H. A. Dreer, Philadelphia, Pa.

"Riverton Special."

PIPE AND FITTINGS

Foley Mfg. Co., Chicago.

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Kroeschell Bros., Co., 466 Erie St., Chicago.
For page see List of Advertisers.Buxton Doane Co., 13 Midway St., Boston.
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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERSPot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.**PRIMULAS**Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.Chinese Primroses from finest strain,
2½ inch pots, 50c. per dozen; \$3.50 per
hundred.Our new trade list of everything you
need now ready; mailed on application.
Write today.**THE GOOD & REESE CO.**The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.**PRIVET**Cal. Privet, 18 to 24 inch., \$10 1000;
Amor River, 18 to 24 inch. \$16 1000. All
2 year, well branched. In storage for im-
mediate shipment, f. o. b., cash with order.
Have about 10,000 each kind. Order quick.**VALDESIAN NURSERIES, Bostie, N. C.****RHODODENDRONS**

P. Ouwerkerk, Hoboken, N. J.

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Bobbink & Atkins, Rutherford, N. J.

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RIBBONS AND CHIFFONSM. Rice & Co., 1220 Race St. Phila., Pa.
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Pa.

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ROSESP. Ouwerkerk, P. O. No. 1, Hoboken, N. J.
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American Grown Roses.

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Robert Craig Co., Philadelphia, Pa.
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Garden Roses.

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Henry A. Dreer, Inc., Philadelphia, Pa.
Potted Roses for Outdoor Planting.Wanted—Rose plants of any kind. Mel-
rose Garden Co., 90 Melrose St., Provi-
dence, R. I.**SALVIAS**A. N. Pierson, Inc., Cromwell, Conn.
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51 and 52 N. Market St., Boston, Mass.
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Flower Seeds for the Florist.
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Asparagus Plumosus Nanus Seeds.
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Beans, Peas, Sweet Corn, Onion, Turnip.
For page see List of Advertisers.Wm. Elliott & Sons, New York.
For page see List of Advertisers.James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
For page see List of Advertisers.Skidelsky & Irwin Co., Philadelphia, Pa.
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For page see List of Advertisers.J. Bolgiano & Son, Baltimore, Md.
For page see List of Advertisers.C. H. Gardiner, South Pasadena, Calif.
Asparagus, Guava and Smilax Seeds.
For page see List of Advertisers.**SNAPDRAGONS**Snapdragon Walke Seedling, pink, first
prize National Show. Rooted cuttings,
\$2.00 per 100. Cash. Ready now. 2½ in.
pots in June, \$5.00 per 100. Loring Ave.
Conservatories, Salem, Mass.**SPHAGNUM MOSS**Live Sphagnum moss, orchid peat and
orchid baskets always on hand. Lager &
Hurrell, Summit, N. J.Ten bales sphagnum moss, \$7.00. Z. K.
Jewett Co., Sparta, Wis.**SPRAYERS**

Chas. J. Jager Co., Boston, Mass.

STRAWBERRY PLANTS"Dewdrop," ever bearing, largest in the
world, color rich crimson, no green tips,
combines flavor of pineapple and wild
strawberry, unexcelled shipping qualities.
Free circular. H. F. Dew, Albion, Mich.**TREE RENOVATION**John T. Withers, Inc., Jersey City, N. J.
For page see List of Advertisers.**VEGETABLE PLANTS**R. Vincent, Jr. & Sons Co.,
White Marsh, Md.

For page see List of Advertisers.

Spring grown Jersey Wakefield cabbage
plants, transplanted and cold frame hard-
ened. Extra fine stock, 50c 100, \$4.00 1000.
Russell Bros., R. D. No. 4, Syracuse, N. Y.**VENTILATING APPARATUS**

Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.

For page see List of Advertisers.

VERBENASFinest seedlings from 2½ inch pots, \$2.00
per hundred.Our new trade list of everything you
need now ready; mailed on application.
Write today.**THE GOOD & REESE CO.**The Largest Rose Growers in the World.
SPRINGFIELD, OHIO.**VINCAS**Vinca variegata, 2 inch, 2 cts.; rooted
cuttings, \$1.00 per 100. Russell Bros., R.
D. 4, Syracuse, N. Y.**WIREWORK**Reed & Keller, 122 W. 25th St., N. Y.
For page see List of Advertisers.

J. Jansky, Boston, Mass.

For page see List of Advertisers.

Wirework. Write for our catalogue.
Holton & Hunkel Co., Milwaukee, Wis.William E. Heilscher's Wire Works, 38-40
Broadway, Detroit, Mich.**WIRED TOOTHPICKS**

W. J. Cowee, Berlin, N. Y.

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WOOD PRESERVATIVEConserve Wood Preservative doubles the
life of all exposed lumber. Preserves
benches, posts, sills or planking. Costs
3c. a stick, and saves ten times its cost.
Samuel Cabot, Inc., Mfg. Chemists, Bos-
ton, Mass.**WHOLESALE FLORISTS**

Boston

N. F. McCarthy & Co., 84 Hawley St.
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and 9 Chapman Pl.
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Buffalo, N. Y.

William F. Kasting Co., 383-87 Ellicott St.
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Chicago

Chas. W. McKellar, 51 Wabash Ave.
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Cincinnati, Ohio

The J. M. McCullough's Sons Co., 816
Walnut St.
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Cromwell, Conn.

A. N. Pierson, Cromwell, Conn.
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WHOLESALE FLORISTS Detroit

Michigan Cut Flower Exchange, 38 and 40 Broadway.
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New York

M. C. Ford, 121 W. 28th St., New York
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H. E. Froment, 57 W. 28th St., New York.
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H. C. Horan, 55 W. 28th St., New York.
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A. H. Langjahr, 55 W. 28th St., New York.
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James McManus, 55 W. 28th St., New York.
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W. F. Sheridan, 133 W. 28th St., New York.
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Wm. H. Kuebler, 28 Willoughby St., Brooklyn, N. Y.
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Moore, Hentz & Nash, 55 and 57 W. 26th St., New York.
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Greater New York Florists' Association, 162 Livingston St., Brooklyn, N. Y.
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A. L. Young & Co., 54 W. 28th St., N. Y.
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Charles Millang, 55 and 57 West 26th St.
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P. J. Smith, 49 West 28th St., N. Y.
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Frank Millang, New York, N. Y.
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Traendly & Schenck, New York, N. Y.
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Badgley, Riedel & Meyer, Inc., New York
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A. Moltz & Co., New York, N. Y.
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Siebrecht & Siebrecht, 136 West 28th St., New York.
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J. K. Allen, 106 W. 28th St., New York.

Philadelphia

Leo. Niessen Co., 1209 Arch St., Phila., Pa.
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The S. S. Pennock-Meehan Co., 1608-12 Ludlow St., Philadelphia, Pa.
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Richmond, Ind.

E. G. Hill Co., Richmond, Ind.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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New Offers in This Issue.

BASKETS FOR COMMENCEMENT AND ALL OTHER OCCASIONS.

M. Rice & Co., Philadelphia, Pa.
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BOXWOOD SPRAYS.

S. S. Pennock-Meehan Co., Philadelphia, Pa.
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HARDY PERENNIAL PHLOXES.

Henry A. Dreer, Philadelphia, Pa.
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HYDRANGEAS, FERNS AND MISCELLANEOUS PLANTS.

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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IMPORT BULB LIST.

The W. W. Barnard Co., Chicago, Ill.
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LORRAINE BEGONIAS.

Thomas Roland, Nahant, Mass.
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MICHELL'S DISTINCTIVE PANSIES.

Henry F. Michell Co., Philadelphia, Pa.
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JAPANESE LILIES, VALLEY PIPS, PALMS, AZALEAS, ETC.

Loechner & Co., New York, N. Y.
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HOW TO PREPARE ADVERTISING COPY.

From "How to Advertise a Retail Store."

In preparing copy for the printer the advertiser should not assume that the compositor will rectify any mistakes. In the strictest sense of the word the compositor has no right whatever to change any portion of the copy. He is supposed to set up every word exactly as it is written, except where words are unmistakably misspelled.

Cut and chop and rewrite your copy until it is as you wish it before you send it to the printer. Once in his hands let the copy be as complete and final as it is possible to make it.

Typewritten copy is most legible and therefore most desirable, but written copy is as good as any, no matter how badly scratched up and interlined, if it is perfectly legible.

When words are eliminated by scratching, do it thoroughly, so there will be no question about it. Do not leave an isolated word among a lot of scratched-out stuff—as it may be overlooked.

Write on one side of the paper only, and number the sheets consecutively. If you find it necessary to eliminate a sheet, renumber those that follow if there are not many of them, but where there are many this can be obviated by adding the number of the page eliminated to the one preceding it, making it stand for the two pages.

If sheets are added they may be numbered as follows: Supposing that after page 2 you wish to add three pages. You simply number them as 2 a, 2 b and 2 c.

PUBLICATIONS RECEIVED.

Report of the Board of Park Commissioners, Wilmington, Del., 1910.—A fine art production as to paper, printing and illustrations. It shows that the total area of Wilmington's parks and other open spaces is 467.69 acres, well cared for under the management Edw. R. Mack, supt. The total expenditures for 1910 were \$16,566.74 for maintenance and \$6953.70 for improvement.

Transactions of the Massachusetts Horticultural Society for the year 1910. Part II. This book contains the annual report of the trustees; list of exhibitions and prizes awarded during the year, with detailed reports of the various committees thereon; report of the delegates to the State Board of Agriculture; report of secretary and librarian, necrology and list of members. There are seven full page illustrations of views in gardens visited by the Garden Committee.

A brochure just published by the Park Floral Company of Denver, Colo., sets forth in unique phrase and most artistic setting the achievements and purposes of this up-to-date and eminently enterprising retail flower concern. Among the photographic inserts are two in colors, by the latest color-photograph process. We commend this little publication to the perusal of the florist trade, having no doubt that they will find it interesting and suggestive of how to elevate and promote their business interests.

DURING RECESS.

Baseball at St. Louis.

Paddy Patton of Smith's Wholesale House is organizing a baseball team composed of the members of the four wholesale houses and says his team will play any team the retailers may make up, the game to take place at the florists' picnic in July, which will give them all plenty of time to get practice.

Chicago Bowlers.

Score made by Chicago Summer Bowling League, May 16. No names have been selected yet and the teams bowled under number:

No. 1.	No. 2.
Huebner, 129 172 200	Fr'dm'n, 155 130 162
Dezman, 160 143 132	Schultz, 143 188 164
J. Zeck, 161 198 177	Graff, 167 202 120
No. 3.	No. 4.
Goerisch, 150 151 131	Asmus, 163 147 163
Wint's'n, 117 95 108	Vogel, 122 124 189
Kraus, 170 185 153	Wolf, 158 171 132
No. 5.	No. 6.
Lerner, 139 109 174	Armst'g, 107 88 124
Fink, 107 121 128	Olsen, 178 138 176
A. Zeck, 135 204 193	Schlos'n, 167 126 98

New York Bowlers.

Madison did not bowl New York on Saturday, May 20th, because of the illness of William Duckham, its head pin strike artist. Later on it will take its medicine. New York is bowling some these days, and will keep in practice every Friday evening until convention. Tuxedo comes to New York Saturday, May 27th, for the "rubber," each team having won a game.

Scores at the practice game Friday, May 19, were as follows:

Fenrich, 137 188 148	R'kards, 133 141 114
Nugent, 129 109 104	Ch'dw'k, 227 195 230
Shaw, 144 143 133	Scott, 130 148 133
Manda, 168 156 181	Kakuda, 171 167 180

New York Florists' Club Outing.

The annual outing is to be held on June 28th. The outing committee want to make this one of the most enjoyable occasions of the kind ever held, and are departing somewhat from the usual procedure. They are dispensing with the souvenir programme and the expense of the entire outing will be met by the proceeds from the sale of tickets, and they ask those who have been in the habit of advertising in the programme to be equally generous in buying tickets. The sail up the beautiful Long Island Sound will extend to two hours or more, depending upon promptness at the dock—a delightful sail, and better music than ever before, with the usual refreshments. The sports at the grove will be curtailed somewhat, giving the ladies and children more chance to compete than heretofore and obviating the rush and "three ring performance" difficulty. Members wishing to donate special prizes for any particular event will be welcome to do so and will have attention and thanks. Jos. S. Fenrich is chairman of the Outing Committee.

The fruit crop, while not so large as last year in Oregon, will be good. Reported injury by frost was much exaggerated, and excepting for peaches or very tender or early blossoming fruits in the colder sections, but little damage was done. Apples will be a good average crop.

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UNITED STATES DEPARTMENT OF AGRICULTURE.

The 1910 Year Book.

The seventeenth volume of the Year Book (1910) will soon be issued by the U. S. Department of Agriculture. In appearance and make-up it differs but little from its predecessors; it contains 28 articles; 49 full page illustrations, of which eight are colored; and 31 text figures.

The Department's appreciation of the service of the late Senator Jonathan Prentiss Dolliver rendered to agriculture during his public career is expressed in the selection of a portrait of him as a frontispiece.

The Fourteenth Annual Report of the Secretary, for the fiscal year ended June 30, 1910, occupies the first 156 pages and gives the "general report of the operation of the Department," which, under the law, must form a part of the volume. This report, supplemented by the statistical matter found in the appendix, gives a more complete and comprehensive summary of agricultural conditions in the United States than can be found in any other single publication.

The next 320 pages, divided between 28 articles contributed by many members of the scientific force of the Department, contain data upon many of the important questions now prominent in the public eye, and equally vital to the agricultural and urban population both as producers and consumers of the food stuff of the nation.

PATENTS GRANTED.

992,140. Weed and Insect Destroyer. Thomas E. Anderberg and Archibald R. Gardner, Sandy, Utah.

992,514. Limb Support. George F. Messler, Fullerton, Cal.

992,529. Hotbed. Charles Abraham, Richfield, N. J.

NEWS NOTES.

Winterset, Iowa.—The stock of the Fairmount Nursery has been sold and the business will be discontinued.

Des Plaines, Ill.—The Geo. M. Garland Co. are to build a fireproof factory here next fall. This building will be about a mile from the present site and eventually the whole business will be transferred to the new building.



DREER'S

Florist Specialties. New Brand New Style Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

THE HOSE for the FLORIST
 1/2 inch, per ft., 15 c.
 Reel of 500 ft., 14 1/2 c.
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 1/2 inch, 13 c.
 Reels, 500 ft., 12 1/2 c.

Couplings furnished.

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Hawley Cemetery Vase



The Hawley Glass Cemetery Vase, flared top, 5 1/2 inches in diameter, 9 inches deep, inside measure, with a 3 inch spike. Price \$2.00 a dozen.

Heavy Tin Lawn or Cemetery Vase, No. 1 in both green and white enamel, 6 1/2 inches deep and four inches in diameter, with a 4 inch spike. Price \$15.00 per 100.

No. 2 in green and white. These are 6 1/2 inches deep 3 1/2 inches diameter and a four inch spike. Price \$12.00 per 100. Made with heavy sheet tin.

Also, Stone Cemetery Vases in blue only. These are 6 1/2 inches deep, 4 1/2 inches in diameter with a four inch spike. Price \$1.50 per dozen.

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WANTED—Two or three young men, 2 or 3 years' experience as greenhouse assistants at private place, 20 miles from Boston; wages \$50 per month. Address M. J., care HORTICULTURE, Boston.

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BOILER FOR SALE.

A Hodge make of East Boston tubular steam boiler in use a few months only, and in splendid condition. Length 13 ft. 4 in., diameter 40 in., 2 in. tubes, modern rocker grate, and complete front and all irons for bricking in. Price, loaded on your team here or on cars, \$100.00 and it is worth \$400.00. W. C. Ward, 577 Adams St., E. Milton, Mass.

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PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conservative, care HORTICULTURE.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Beloit, Wis.—John Rindfleisch, addition.

Mayville, Wis.—Carl Schumann, addition.

Jefferson, Ill.—P. Pearson, house, 25 x 106 feet.

Cedar Rapids, Iowa—John Stetka, one house.

Kankakee, Ill.—Spicar Bros., house, 50 x 200 feet.

Hutchison, Minn.—Chas. A. Rose, three houses.

North Milwaukee, Wis.—Nic. Zweifel, one house.

Niles Center, Ill.—Peter Damm, range of houses.

Cincinnati, Ohio—J. Chas. Murphy, one 250-foot house.

Florence, Mass.—Frank D. Keyes, house, 28 x 70 feet.

Haverhill, Mass.—Wm. H. Emerson, house, 20 x 75 feet.

Xenia, Ohio—Lampert Floral Co., house, 40 x 200 feet.

Pocatello, Idaho—Pocatello Floral Conservatory, one house.

New Castle, Ind.—Heller Bros. Co., two houses 35 x 500 each.

St. Louis, Mo.—Albert Senger, two houses, each 20 x 100 feet.

So. Natick, Mass.—John Barr, Lord & Burnham house 35 x 300.

Northfield, N. J.—Hendrickson Farm, five houses and show room.

Montrose Greenhouses, Montrose, Mass.—Addition, about 10,000 sq. ft.

Brampton, Ont., Can.—Richard Jennings, addition. W. E. Calvert, addition.

Guthrie, Okla.—Furrow & Co., one house, 28 x 120 feet; one house, 28 x 300 feet.

Savanna, Ill.—Edward Gabouri, Jr., and Will Fairbanks, two houses, each 25 x 90 feet.

NEWS NOTES.

Wilmette, Ill.—Nic. Miller's greenhouses have been leased by James Bernard.

Alvin, Tex.—Cook & Cook have retired from business and Mr. Sheffield has the management.

Hermiston, Ore.—A nursery has been started here by J. W. Craik, formerly of Kellogg, Idaho.

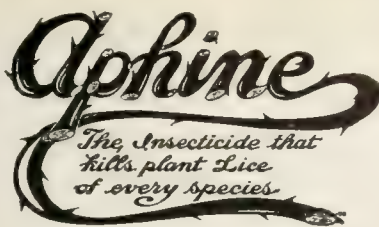
Hamilton, Ohio—The greenhouse of Miss Emma Vinen has been purchased by C. J. Frew, Jr.

Marietta, Ohio—The Marietta Floral Co., a new company, have purchased the Smith greenhouses and will continue the business.

Cambridge City, Ind.—Five acres of land near the city have been purchased by M. H. Gaar for an addition to his present nursery.

Leominster, Mass.—A section of the roof of George M. Kendall's cucumber house was demolished by a heavy wind storm on May 6th.

Black Hall, Conn.—The firm of Brown & Howard, who leased the Black Hall Greenhouses on January 1st, has been dissolved and James F. Barclay of Rhode Island has purchased the stock and has secured a lease for five years. For three months Mr. Brown has suffered constantly with the sciatic nerve and rest from business activities was the only course.



"FUNGINE"

An infallible remedy for mildew, rust, and other fungus diseases.

The Cedar Hill Gardens,
Sea Cliff, N. Y., May 8, 1911.

"I take pleasure in telling you that after having tried Aphine according to your directions, I have personally found Aphine better for black aphids on violets and mum's than the Hydro-Cyanide Gas, being less dangerous for the plants, as well as for the operator, and doing the same work with equal efficiency. I have not tried Fungine myself, but followed its use day after day at one of my customers' carnation and rose houses. The gardener agrees with me, and all the greenhouse men, that Fungine is a grand preventive, as well as the best destroyer of mildew and carnation rust, if applied properly. It does all it is recommended to do. We cannot be without it in rose houses."

T. H. POLBOS.

Volcano Greenhouses,
Nevada, Mo., May 9th, 1911.

"We received the Aphine you sent us and it is everything you recommend it to be. I am glad we now have something that we can mix just as directions call for to get the proper results."

E. D. PIERCEY, Mgr.

Kirkwood, Mo., May 1st, 1911.
"We have tested the Aphine sent us and the results were very satisfactory. We used Aphine according to directions for black aphids and find all aphids killed on first application. We have full faith in Aphine."

F. W. UDE & SON.

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Manufactured by

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MADISON, N. J.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50

In barrels, \$1.00

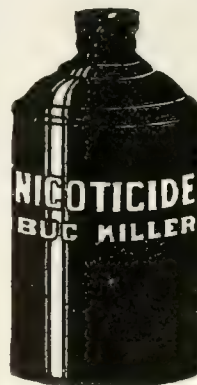
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Do you know what this is?

Can you afford to remain ignorant?

It means \$'s for you. Write for sample 10c. Agents wanted.

20th Century Plant Food Co., Beverly, Mass.

FIRE RECORD.

Pittston, Pa.—The greenhouses of Robert Ellis were slightly damaged by fire on May 8th.

Hutchison, Kan.—Fire damaged the Underwood-Viles greenhouses to the extent of about \$20,000 on May 10th.

green flies and
black ones too

are easy to kill with The Fumigating Kind
TOBACCO POWDER \$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back:
why try cheap substitutes that makers do
not dare to guarantee

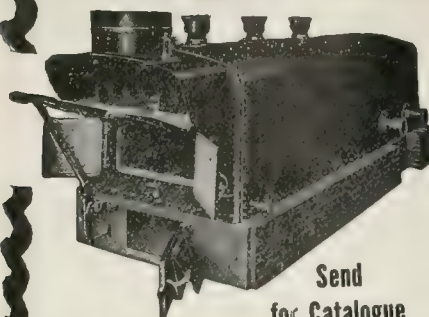
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Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lemo Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."

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'Test at 32° Below Zero; Kroeschell Boiler Easy to Fire With Soft Coal.'

I have 7,800 sq. ft. of glass; this boiler would take care of about two green-houses of the same size. I maintain a temperature from 50 deg. to 80 deg. Did not have the least bit of trouble when thermometer was 32 deg. below zero. In zero weather fired at half past nine in the evening, went to bed, slept all night, got up at 5:00 in the morning, and found a good fire at that hour. The boiler is giving the very best of satisfaction. Yours is the first hot water boiler I have had in use, but have fired steam boilers of different makes. **The Kroeschell is certainly the best and quickest heating boiler** that I have had anything to do with. As to the Kroeschell Generator, I would take no amount of money for it; I can run the water over the boiling point and have no trouble. I give your boiler, generator and piping system the highest praise. F. H. HAMILTON, R. F. D. No. 3, Robbinsdale, Minn.

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ARTSTONE FLOWER VASES

Artstone Vases do not, like iron, become so hot in midsummer as to burn the plants. Artstone is indestructible from exposure, while iron, soon rusts, and marble gradually discolours and decays. Flowers, like gems, require appropriate settings. The artistic beauty of these creations attracts admiration and lends a touch of quiet elegance to the surroundings. They serve to enhance the beauty of the Lawn or Porch wonderfully. Popular also for Cemetery decoration. Bird baths and Sun dials made to order.

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IRON PIPE

Second Hand

Suitable for all greenhouse purposes, steam, water, gas or oil, also for fences or posts. All sizes. Prices low.

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IRON VASES



Made with reservoir containing sufficient water to last 10 to 15 days. Desirable for lawns, invaluable for cemeteries. Thousands in use.

Over 100 styles and sizes
\$3.00 to \$75.00 each

Write for price list to

WALBRIDGE & CO.
BUFFALO, N. Y.

STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 2in pots in crate \$4.88	144 6in. pots in crate \$3.26
1590 2 1/4 " " 5.25	130 7 " " 4.20
1500 2 1/2 " " 6.00	60 8 " " 3.00
1000 3 " " 5.00	HAND MADE
800 3 1/2 " " 5.80	48 9in. pots in crate \$3.60
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456 4 1/2 " " 5.24	24 11 " " 3.00
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Seed pans, same price as pots. Send for price list of Cylinders for Cut flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order. Address

HILLFINGER BROS., Pottery, Fort Edward, N.Y.
August Rolker & Sons, Agts. 31 Barclay St., N. Y. City.

Syracuse Red Pots

"A little pot is soon hot," likewise a thin pot. This will save you fuel. Our pots are the thinnest and toughest owing to the superior quality of the clay.

New price list on application.

Syracuse Pottery Co., SYRACUSE, N. Y.



ALL THE CLAY
 FOR OUR
Florist' Red Pots
 is prepared by passing through a screen 1600 meshes to the square inch. If in a hurry for pots, order from us.
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Write for Catalogue
 Tree tubs and brass hoop gardeners with extension stave foot
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STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us, we can save you money.

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USE IT NOW.
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STEEL GUTTERS, TRUSSES,
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PRIVATE AND CONSERVATORY
WORK A SPECIALTY.

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SIZES OUR SPECIALTY
IMMENSE STOCK

Plate and Window Glass

Also hot bed sash and greenhouse material
Estimates cheerfully given. Write for our
Prices

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CYPRESS SASH BARS
82 feet or longer
HOT BED SASH

PECKY CYPRESS BENCH LUMBER

GREENHOUSES

ERECTED AND EQUIPPED COMPLETE IF DESIRED

Write for Circular "D" and Prices

The A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.



Send us that rush
order. We make a
specialty of them.
Get acquainted with
our goods. Every
user has found in
our line an excellent
friend.

Write today.
The Advance Co.
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**GREENHOUSE CONSTRUCTION
LUMBER**

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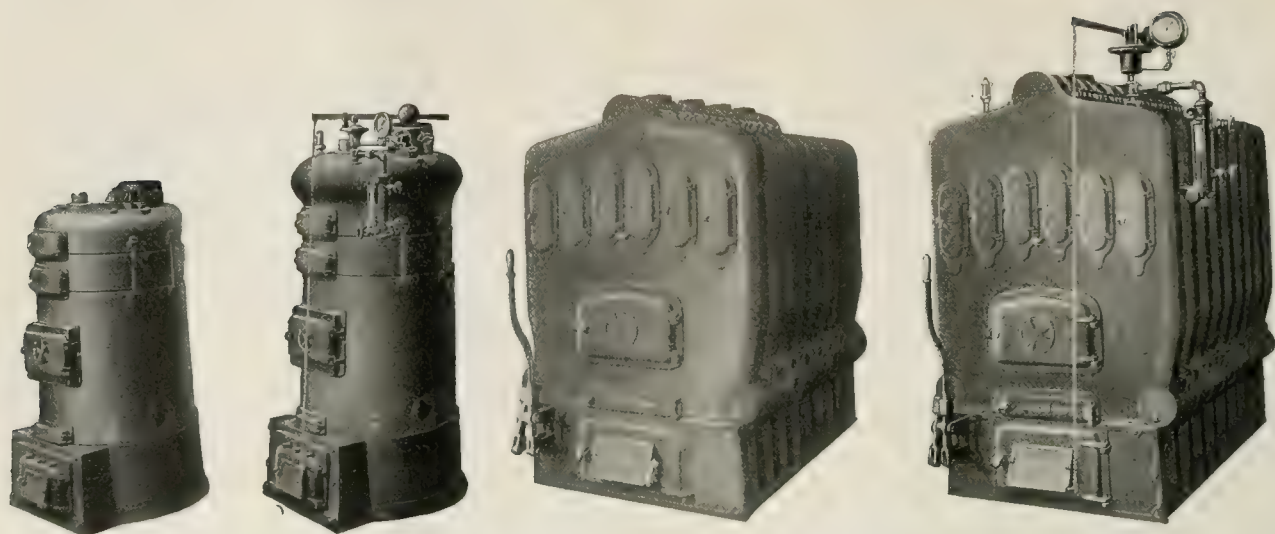
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HORTICULTURE

Vol. XIII.

JUNE 3, 1911

No. 22



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Seasonable Notes on Culture of Florists' Stock

VIOLETS

Now that the violet planting season is at hand, the first essential is strong and healthy stock, as no amount of nursing will ever make a sickly violet pay. Almost any good soil will grow violets, but the most suitable is a strong calcareous one that will retain moisture without becoming sodden. Sod that was stacked up last fall and not piled any higher than about 14 inches so that it got a thorough freezing is the best for violets. It is of great importance in preparing a compost to have at least for each four parts of well-rotted sod one part of thoroughly decomposed cow or stable manure, and, if possible, mix charcoal at the rate of one bushel to 25 bushels of the compost. After the violets are planted in the house the weather conditions we are bound to have will try the patience and skill of the best of growers. See that every care is given in the way of careful watering and frequent stirring of the surface of the soil once a week. Keep the glass fairly well shaded with all the ventilation the weather will permit so as to maintain as cool and as dry an atmosphere as possible. Syringing should be attended to on all bright days early enough in the morning so the foliage will be dry before night. This is a very essential item. The plants should be kept clean and growing all summer, to form strong blooming crowns by fall.

CROTONS.

The first batches of cuttings that were propagated should now be far enough in their growth to require a shift into either 4 or 5-inch pots. They like a compost of turfy loam with about a fourth or fifth of well-decayed cow manure and some bone meal—say about a four inch pot full to a bushel of soil. Give them a very moist atmosphere with plenty of syringing so as to keep down the red spider, thrips and mealy bug, all of which increase very rapidly when the air of the house becomes too dry. To have the markings of their foliage show in fullest brilliancy they should have no shade, unless the leaves actually burn. These plants are very serviceable for the decoration of table, room, and conservatories, but when intended for this use they should be gradually hardened off in removing from their tropical quarters for they are very susceptible to cold and sudden changes.

MARGUERITES

The early-propagated portion of the coming season's stock should now be far enough advanced to require 4 and even 5-inch pots. Size and vigor are only imparted by special good summer treatment which is always a permanent gain to this winter flowering stock. It is better to keep them growing on in pots during the summer for they make more compact plants by having their root room restricted. A good compost to use is of turfy loam three parts, well-decomposed manure one part. They should get their final shift by the last week in July and be kept pinched. When the pots, in their last shift, become filled with roots liquid manure should be given once a week. Older or left-over plants from last spring can now be planted out and will furnish cuttings for fall propagation. These will give nice medium-sized flowering plants for spring.

MASDEVALLIAS

The craze for big and fancy orchids has caused these

and other very interesting genera to be greatly neglected. If there are some of these orchids that have not received attention early in the season,—but where the compost is still in good condition—it is best not to disturb them. They would be greatly helped by a top dressing of chopped live sphagnum. Some of the old material can be removed to a depth of about an inch so as not to disturb the roots. These orchids do better in a house that has a northern aspect as they come from the cool ravines of the Andes and are found from 7,000 to 12,000 feet above sea level. They are very much like *odontoglossum* as to summer requirements. Fresh air should be given at all times when possible, in greater or less quantity according to outside condition. Keep up an abundance of moisture by wetting down the paths and under the benches two or three times a day in fine weather. These orchids must never suffer for want of water at the roots; they are indeed better to be kept rather on the wet side, for they have no pseudo-bulbs to store up nourishment. *Masdevallias* are very free-flowering and ought to be more widely grown. *Masdevallia Harryana* has excellent lasting qualities along with rich colorings and is a charming subject. Another very useful one is *Masdevallia Tovarensis* which blooms about midwinter.

RAISING PERENNIALS

Now is the time to sow seed of the most desirable perennials. The demand for this class of plants is increasing every year so every florist who has the land to spare should sow some. Plants from seeds sown now and transplanted when large enough into the border or field and given some care as to watering will get well enough established to stand the winter. The seed should be sown in frames where it will be convenient to water them. Any good light soil that has been made fine will be suitable. Keep shaded and moist until they have started. Don't sow too thickly. When the seedlings are large enough to handle prick them out and keep shaded for few days in other frames. This is better where you have the frames to spare. They can be transplanted again into cold frames where they can stay during winter and have slight protection in severe weather. They can stand about 8 to 10 inches between the rows with about from 4 to 5 inches apart in the rows. They are better and stronger when grown this way the first year than when planted out in open ground.

SWEET PEAS

It behooves every florist to see that his sweet peas have good care now as all indoor flowers such as roses, carnations, etc., are rapidly deteriorating in quality. Now as we are getting hot and dry weather a generous mulch between the rows will be found of great benefit. It is always better to keep the flowers closely picked. Never let seed pods develop; pick them off, for if allowed to stay on, the vines will speedily decline in vigor. Where you can reach them with the hose give them overhead syringings late in the afternoons of hot days as they enjoy it and will repay you with better foliage, flowers with longer stems, and a general vigor of the whole plant.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: *Adiantums*; *Reuchers*; *Chrysanthemums*; *Cuttings of Perennials*; *Leaves in Frames*; *Left over Astilbes*; *Pruning Flowering Shrubs*.

HORTICULTURE

VOL. XIII

JUNE 3, 1911

NO. 22

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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Our exhibition notes from England tell of classes in the carnation show schedules providing for the exhibition of methods of packing the

blooms for shipment. This, it seems to us, would be a good feature to add to our carnation and rose exhibi-

tions in this country. It would provide a test of great value in any commercial show and would be an education very generally needed if one may judge by the looks of the majority of shipments as received at the wholesale houses and flower markets in the distributing centres or by the number of complaints made by buyers to whom reshipments have been made. Rose packing is better done, as a rule, than carnation packing but there is still plenty of room for improvement and in the case of other flowers such as daffodils and asters, in their season, one can see in any wholesale commission house some terrible examples of how badly it can be done. The loss to the grower through this one cause is no small amount often far exceeding the selling commission which he is disposed to regard as a grievous burden. A well-skilled packer is one of the indispensable adjuncts of a flower or plant growing establishment.

What plant registration is

We have been accustomed to regard the plant registration department of the Society of American Florists as intended solely for the purpose of

securing to the originator or discoverer of a new species or variety of plant the right to such name as he may select for it, provided such name has not already been given to a plant in the same class, and for placing on record permanently such detailed description of the specific characteristics of the plant registered as may be required for its identification. Such adjectives as "handsome," "lovely," "free-blooming," "robust-growing," "non-bursting," "magnificent," etc., and other words and phrases couched in the prevailing grandiloquent catalogue style and which might serve the disseminator in advertising his novelty, have, in our humble opinion, no place in a purely technical record such as the S. A. F. registration should be. It rests with the Society officials in charge to restrict within proper bounds this tendency to laud a new production. If one applicant is permitted to do it, no one can blame the others for following suit. It is clearly up to the societies to put an end to this panegyric bombast.

The line of progress

Among the "Impressions of the American Tour" as given in the British journals by the horticultural visitors on their return to England, that by Mr. L. M.

Graves in the Horticultural Trade Journal of recent date is, to our mind especially interesting and entertaining. The gentleman disclaims either journalistic ability or talent as an impressionist, but we should say he was fairly well endowed with both. There is much that he observes in regard to our American customs and American floriculture, both in criticism and in praise, which must be recognized as just and fair. In the matter of florists' products here, as being in the main, roses, carnations and hardwooded imported plants, he presents an issue which sooner or later will force itself upon the American florist. As regards a greater diversity in cut flowers we have already made a gratifying start as the stock in any first-class florists' refrigerators will show. In the line of plants, it is a fact that a large part of the goods offered in the florist shops, and particularly at Easter, are imported stock for which a considerable amount of money has been sent abroad. It might be to the advantage of the American trade to more closely watch and study the European flower markets, recognizing the fact that they are much longer established than ours and that we can undoubtedly learn from them much of value as to the probable course our own demand will take in the years to come.

Skill in

flower packing

Fruits and Vegetables Under Glass

MULCHING

Now that the hot weather is with us all borders will be better with a mulch of some kind over them. This will help to retain their moisture; keeps the borders cool, forms a cover as it were, which can be damped often without injury to the roots, and this will help draw up surface roots. Where cow-manure was used as a stimulant, little more will be wanted, but if this was applied to early houses and has worn down, a light mulching of old mushroom bed can be added. Young vines growing in newly-made borders will need no stimulants, yet a mulching is beneficial. Spent mushroom bed can be used on these or new leafsoil will also answer the purpose. There is just a chance if the leafsoil is not good, that it may contain the mycelium of some fungus which may work its way into the soil to the detriment of the roots. All sticks and other rubbish must be picked out and only the half-decayed leaves used. Mulchings will need to be four inches thick to answer the purpose. Young peach trees making their first season's growth will not need mulching.

ORCHARD HOUSE

As orchard house fruit commences to show signs of ripening cease feeding and use less atmospheric moisture. All ventilators can be left wide open and a light shade will prolong the season of the fruit. One-half of the house can be so treated and the other left without shade. The early varieties could be worked up to this latter end, which all helps to make a succession. To be sure of finishing pears to perfection they should be tied to the tree to prevent bruising should they fall. A pear often requires a week or ten days to finish up after picking and will often drop off so long before being ripe. By tying a piece of raffia on the stalk of the fruit and then an inch or so back on the wood the fruit can be left to hang until it is ripe without fear of bruising. Apples are best propped up to the sun similar to peaches. A few strong stakes will need to be put to the tree to pull it into shape and get the fruit on one side. Wire of moderate strength should be bent into the shape of a dipper (rim and handle) and cotton wool twisted around the rim to prevent bruising. When this is reversed and tied into position by the handle the apple will rest on the rim and get all the benefits of the air and being exposed both apples and pears can be finished outside. Plunge the pots to the rim in ashes and give a light shade with cheese cloth through the hottest hours of the day.

KEEPING PEACHES AND NECTARINES

At times we find ourselves confronted with the problem of holding peaches and nectarines for a week or so to have them in for some special occasion, which may have suddenly presented itself. This is no easy task as peaches and nectarines grown inside are hard subjects to keep for any length of time. A few days or a week perhaps is the limit, after they are ripe. They should be

left on the trees until there is danger of their falling and then handle with the utmost care, as a slight bruise on a ripe fruit soon shows itself. Some varieties are given to drop their fruit, while others will hold them for sometime. Duke of York has every other good point but this. It finishes its fruit in record time and seems to want to be rid of them just as quickly. Alexander is another instance of this. Hale's Early, Peregrine and Thomas Rivers are not so liable to drop their fruit. Pot trees can be kept back by placing them in a cool shady place, but after the second swelling has commenced with those planted out little else can be done excepting keeping the house wide open. The fruit can be kept for a few days in an ice box if handled carefully when being gathered.

MELONS

Melons will now be easily grown in cold frames. Make a good sized mound in the center of the sash and when planting press down firmly. Do not allow too many lateral growths to remain; leave enough only to get a crop. After fruit is set close the sash up to one inch when syringing late in the afternoon. After they attain the size of eggs place a piece of wood on an inverted pot for them to rest on, to keep them off the wet soil where snails and other things are liable to mark them.

George H. Benson

Lilium myriophyllum

The subject of our cover illustration this week is one that bids fair to be a very familiar object in commercial floriculture within a very few years. *Lilium myriophyllum*, although introduced some years ago in England, is a new-comer in this country, the bulbs having been collected for R. & J. Farquhar & Co. of Boston by E. H. Wilson on his last Chinese collecting expedition. It is said that the climate in this country suits *L. myriophyllum* much better than that of England. Mr. Wilson considers it the best of all lilies. It grows naturally on shallow soil and moss on rocks and is a great favorite with the natives of Northwestern China who grow it universally on the roofs of their porches. It is absolutely hardy, more so even than *speciosum*. Its forcing qualities are such that the prediction that it is to be the Easter lily of the future—and home-grown at that—seems not unreasonable. The flower is white, with a slight suffusion of pink on the outside and a tint of almost canary yellow at the centre. It is delightfully perfumed, reminding of the jasmine and lacking the heavy oppressive odor of most lilies. It usually throws up secondary stems from the bulb which give a second crop of flowers. It grows to a height of four to five feet.

CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS
AND ORNAMENTAL HORTI-
CULTURISTS.

At the Mid-Lent meeting of the Executive Board the following changes were made in the rules governing the Trade Exhibition:

Rule 3. Exhibition space shall be designated in square feet. The charges for space shall be as follows:

Minimum charge	\$10.00
Flat rate, per sq. ft. ....	.25

Exhibition space shall be limited to 6 feet 6 inches above the floor, except for plants, greenhouse structures or other exhibits which necessarily extend to a greater height. Plant and cut-flower exhibits may be also built up to any height authorized by the Superintendent. All exhibits, except as above specified, which extend above 6 feet 6 inches in height, shall be charged 10 per cent. additional on the entire space for each 6 inches of additional height of any part of the exhibit. All signs must be kept within the space limits. Where tables are against the walls, wall space up to 6 feet 6 inches above the floor and of the length of the table will be furnished the exhibitor without extra charge. Wall exhibits projecting above this height will be charged for the additional space, at wall space rates. Signs on the wall or elsewhere shall not extend higher than 6 feet 6 inches above the floor in any exhibit. Wall space, without floor or table space, or when exceeding in dimensions the amount allowed with the exhibition space, shall be charged as follows:

Minimum charge	\$5.00
Flat rate, per sq. ft. ....	.10

Wall exhibits shall not project over one foot from the wall. Exhibitor's signs must be kept within limits of wall space.

Exhibitors must furnish at their own expense all tables, cloth and other accessories and incidentals. The Superintendent will be willing, so far as his other duties will permit, to assist exhibitors in securing tables and other needed articles; but neither the Superintendent nor the Society will pay for or assume any financial responsibility for the purchase or placing of such articles.

All signs shall be uniform in character and be furnished by the Superintendent of Exhibition at cost and no other signs to be permitted.

Charges for freight, cartage or expressage will not be paid or guaranteed for exhibitors. Goods shipped, charges collect, will be refused, unless the owner is on hand to pay the charges.

Rule 5. Add (Garden Requisites) to Section F.

Change number of rule 19 to 21 and add: Rule 19. While the Society will exercise all due care to safeguard the exhibits, it will not assume any responsibility or liability for any loss or damage to any exhibit.

Rule 20. The Executive Committee will make such further rules as it may deem necessary for the proper conduct of the exhibition.

Attention should be called to the fact that these rules, and especially the one concerning the signs, will be strictly enforced. No signs will be permitted in the hall other than those of the uniform character which have been adopted by the Board. Exhibitors should take note of this and see that their signs are ordered in advance. Copies of the complete rules and plans of the floor space may be secured of the Superintendent, Mack Richmond, of Baltimore, Md.

Hotel Belvidere, located on Charles and Chase Sts., has been selected as the hotel headquarters for the Society. The president's reception will also be held at this hotel. Applications for rooms should be sent in early so as to secure good accommodations. The hotel is located within a few minutes' walk of the Armory where the meetings and exhibitions are to be held.

Department of Plant Registration.

Public notice is hereby given that the Conard & Jones Company, of West Grove, Pa., offer for registration the roses described below. Any person objecting to the registration or to the use of the proposed names, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date:

Ruby Queen—Queens Scarlet X Wichuraiana. Bright rich ruby red, with clear white center, flowers quite double, three to three and one-half inches across, opening out flat and perfect, color brilliant carmine, base of petals pure white. The plant is a strong vigorous climber, with handsome glossy foliage and entirely hardy.

May Queen.—Mrs. DeGraw X Wichuraiana. Vigorous, erect-growing climber well furnished with handsome foliage, bearing great numbers of lovely large roses, fully as beautiful as the finest Tea roses. Color, clear coral pink, very bright and handsome. Entirely hardy, an early and abundant bloomer.

Pearl Queen.—Hardy climbing rose crossed with Wichuraiana, other parent unknown. Very regular flowers, double, fragrant. Color, clear pearl white, faintly tinged with deep rose, deepening at the centre. A hardy grower and tremendous annual bloomer.

Royal Cluster.—Dawson X Hermosa. Magnificent double white hardy climbing rose. A hardy, vigorous climber and prodigious bloomer; blooms in immense clusters, flowers, full medium size, beautifully formed, delicious, spicy fragrance, color, white, sometimes faintly tinted with blush.

H. B. DORNER, Secretary.

May 25, 1911.

AMERICAN PEONY SOCIETY.

Intending exhibitors at the Philadelphia show will please notice that all exhibits must be staged before 3 o'clock on the opening day, June 8th, and that all entries should be sent to the secretary, Mr. A. H. Fewkes, Newton Highlands, Mass., entries to be in his hands not later than the morning mail of the 5th of June. All goods for exhibition purposes to be sent the society in care of Mr. David Rust, Secretary, Penna. Horticultural Society, Broad and Locust streets, Philadelphia, and all shipments to be prepaid. Exhibition blooms coming collect will not be accepted, as the committee have no funds from which to pay out of town charges.

The society would also appreciate advice as early as it can be given to the secretary of approximately how many entries will be made, even if this number is later reduced, in order that the proper accommodation may be ready when the entries come in.

In the schedule of prizes which we published last week it should be inserted that under Class 14 the Duchesse de Nemours should be Calot's, white and not Guerin's pink.

The Retail Florists Association of St. Louis will hold a very important meeting on Monday night, June 5th, at 8 o'clock. Some very important business is to be transacted.

HORTICULTURAL SOCIETY OF
NEW YORK.

Announcement.

An exhibition will be held in the Museum Building, New York Botanical Garden, Bronx Park, New York City, in cooperation with the Garden, June 10th and 11th, 1911. The schedule of classes and premiums is as follows:

Peonies: P-1 3 white varieties, P-2—3 light pink varieties, P-3—3 rose varieties, P-4—8 crimson varieties, 6 flowers each, P-5—collection of singles, 3 flowers of each kind, first and second prizes in each class, \$5.00, \$3.00; P-6—largest and finest collection, not less than 6 flowers of each variety, \$25.00, \$15.00.

Miscellaneous: M-1—collection of hardy roses, M-2—collection of hardy flowering shrubs and trees, M-3—collection of hardy rhododendrons and azaleas, or either, M-4—collection of hardy herbaceous plants, first and second prizes in each class, \$10.00, \$5.00; M-5—collection of irises, \$5.00, \$3.00; M-6—6 orchid plants in bloom, 6 varieties, \$10.00, \$5.00; M-7—3 orchid plants in bloom, 3 varieties, \$6.00, \$4.00; M-8—1 orchid plant in bloom, \$3.00, \$2.00; M-9—collection of cut orchids, \$6.00, \$4.00.

Mr. Richard Richter will have charge of the arrangements on behalf of the New York Botanical Garden.

Please note that this and succeeding exhibitions during the summer will be held in the Museum Building, New York Botanical Garden, Bronx Park, New York City.

Plants and flowers for exhibition should be sent by express, prepaid, addressed: Horticultural Society, Museum Building, New York Botanical Garden, Bronx Park, New York City.

On Saturday, June 10th, a meeting of the Council, Horticultural Society of New York, will be held in the Lecture Hall, Museum Building, New York Botanical Garden, at 2.30 o'clock.

A meeting of the Society will take place in the Lecture Hall, at 3.30 o'clock, followed by a public lecture at 4 o'clock, by Dr. William A. Murrill on "The Royal Gardens at Kew, England," illustrated with lantern slides. Address all communications to the Secretary, Horticultural Society of New York, Bronx Park, New York City.

NATIONAL GLADIOLUS SOCIETY
OF ENGLAND.

Orange, Mass., May 29, 1911.

Editor Horticulture:

I have the following account of the first meeting of the National Gladiolus Society, England, from the Secretary, M. Atkinson, The Flagstaff, Locksheath, Southampton, who also informs me that they will hold their first show in July, the particulars of which will be sent me later.

L. MERTON GAGE.

The National Gladiolus Society.

President: Sir Francis Burdett, Bart. Patrons and Patronesses: Lady Burdett, The Earl of Listowel, K. P. The Countess of Listowel, The Lady Victoria de Trafford, Mrs. Burdon Muller, Sir Perry Van Notten Pole, Bart. The Countess of Ellesmere.

Members of the Council: Messrs. Kellway & Sons, Mr. Peter R. Barr, Mr. Frank Lilley, Mr. C. H. Arkesson, Mr. Charles Blomfield, Mr. Maurice Pritchard, Mr. A. J. Bliss, Messrs. James Carter & Co., Mr. W. C. Bull. Three other members will be enrolled.

The first meeting of the council was held at the Royal Horticultural Hall (by kind permission of the R. H. S.) on Thursday, March 14th, at 4.15 p. m.

The following rules and regulations were passed:

That the society be known as the National Gladiolus Society.

That it consist of a president and a coun-

Poddington's Bulb Bloom.

Save Money on Your Fall Bulbs—by Ordering NOW

Our Quality Bulbs are famous for results

Mr. Florist:—You can save money on the bulbs you expect to grow this Fall, if you order them now, instead of two or three months later.

We have bought heavily of the best bulbs procurable in Bermuda, Japan, Holland and French markets, and will, until July 1st, offer special inducements to encourage our customers to place their orders earlier than usual.

Send us a list showing the bulbs you wish to grow this Fall—Lilies, Tulips, Narcissi, Hyacinths, etc.—and we will make a special and confidential quotation on your order. Our regular Fall Catalogue will be ready in July, but the prices we will make you now will be at a large reduction, for the reasons stated above.

Write for "CONFIDENTIAL QUOTATION"—and write to-day. This offer is good only until July 1st, 1911.

Arthur T. Poddington
Seedsmen 342 W 14th St
New York City, N.Y.

oil of not less than six and not more than twelve members, and that such members on election shall serve for three years.

That a handbook be compiled as soon as possible, giving all available information respecting the cultivation, etc., of the Gladiolus, with a classified list of named varieties and that the handbook be issued annually to members.

That the subscription for Home members be fixed at 10/6d per annum and 15/- for foreign members.

That the benefits conferred on subscribers are as follows:

(a) Free copy of Society's handbook; (b) Free admission tickets for subscribers and one friend to all the shows organized by the Society; (c) Exemption from entry fees in all classes in such shows; (d) Expert advice on cultivation, etc., of Gladioli; (e) The right to submit any new varieties to the Council for the purpose of obtaining a certificate.

The Society intends to hold at least two shows annually: prizes and medals will be offered for competition, both for amateurs and the trade.

At suitable times during the flowering season, the Council will meet to consider any new varieties that may be submitted by growers, and if in their opinion it will be merited, they will grant a certificate and include the variety or varieties in their next handbook in the classified list, with the name of the grower and date of certificate.

The Society has a small piece of ground situated at Locksheath, which has been granted them by the Locksheath Nurseries, Ltd., for use as a trial ground. Should any members desire the Society to test the bulbs bought from growers, or to test new seedlings, they will have the right to send up to a hundred bulbs of each variety, to the Secretary, to be grown on the trial ground on their behalf. A nominal fee of 1/- will be charged by the Society. The Society undertakes to grow such bulbs carefully and to report fully to the members on their growth and to inform them of the flowering of such bulbs, sending them the cut blossom. These may also be submitted to the Council if the member desires. At the expiration of the season the bulbs will be returned with a full report.

Members purchasing new and costly va-

rieties will find the trial ground of great value, as there have been many complaints in the past from persons who have purchased an expensive bulb represented to be a new variety, and have found, in the flowering season, that the bulb was of some well known stock.

Members sending bulbs for trial are requested to state the firm the bulbs were purchased from, the date of purchase, and the name of the variety. In making purchases of costly bulbs, members are advised to inform the salesman that they intend sending one or two bulbs for trial to the National Gladiolus Society.

ST. LOUIS FLORIST CLUB.

The St. Louis Florist Club will hold its regular business meeting on Thursday afternoon, June 8th, at 2 o'clock. Secretary Beneke has sent out special notices for this to be known as the silver jubilee meeting and a large turn-out of members is expected.

Chairman E. W. Guy of the trustees will call a meeting of his committee next week to arrange for the annual picnic. This yearly event is always looked forward to with pleasure by the trade at large and it may be this year that it will be held on the East Side near Belleville. At this meeting they will decide on place and date.

CLUB AND SOCIETY NOTES.

It is expected that E. J. Shaylor, the eminent peony specialist of Wellesley, Hills, will make a very interesting and comprehensive exhibition of peonies under correct name, at Horticultural Hall, Worcester, on June 8th.

They are just laying plans for a much larger Apple Show in Portland, Ore., than ever before. While the Horticultural Society has always held an apple exhibit in connection with their annual meeting, they never at-

tempted holding a large one until last year, and this year they expect to about double the size, having at least from 10 to 20 carloads of apples and other fruit on exhibit.

Frank A. Weber says that everything is now in shape for the opening of the annual meeting of the American Association of Nurserymen at St. Louis. Mr. Weber is chairman of the entertainment committee and has some great things in store for the visiting nurserymen and especially for the ladies. President Stark will be down from Louisiana, Mo., next week and lend his assistance for the opening.

DURING RECESS.

Chicago Bowlers.

Bowling scores, May 23, made as follows:

Vogel	188	113	115	Olsen	179	172	197
Se'man	146	162	113	Schultz	186	120	164
Stevens	287	213	200	Graff	173	185	151
Wolf	166	177	192	Kraus	173	155	138
Link	90	162	156	Ayres		161	159
Asmus	135	181	130	Go'sch	144	150	159
Lorman	196	133	130	J. H'b'r	150	160	181
J. Zeck	192	185	202	A. H'b'r	189		
				A. Zeck	185	162	186

Boston, Mass.—A baseball team has been formed to represent the Boston Cut Flower Exchange and on Saturday, June 3, they play their first game with the team at W. H. Elliott's, Madbury, N. H.

Boone, Iowa—A severe hail storm broke more than half the glass in the greenhouse of J. Lochrer on May 19th. Much damage was done to the stock in the houses, also. No insurance.

BRITISH HORTICULTURE.

The Carnation Show.

There was a varied and attractive display at the 10th show of the Perpetual Carnation Society, held at the Royal Botanic Gardens, London, on May 2 and 3. In the class for the best group of cut carnations (not less than twelve varieties) the gold medal was secured by Young and Co., of Cheltenham, prominence being given to White Enchantress, Winsor and Hon. Lady Neeld. C. Engelmann, of Saffron Walden, Essex, took the premier position for the three best vases of British novelties—Carola, Regina and Rex. The second place was taken by W. E. Wallace, or Eaton Bray, Beds, with May Day, Delight and Scarlet Glow. B. E. Bell, Guernsey, scored in the American novelty class, James Whitcomb Riley being particularly meritorious. An indication of the high pitch the culture of carnations has reached by the market growers was afforded in the contest for the Covent Garden cup. Two varieties of market blooms had to be shown in vases, also packed in boxes; W. E. Wallace was the winner with Rose Pink Enchantress and White Enchantress. The arranging for effect, and the efficient packing were alike very creditable. The second prize fell to the proprietors of the Thatcham Fruit and Flower Farm, Newbury, Berks, newcomers at this show.

In the selected varieties, White Enchantress secured the honors in the white section. Amongst the scarlets Beacon was the winner. Carola was the best crimson. Stuart Low & Co., of Enfield, had a well arranged group and H. Burnett, of Guernsey, Channel Islands, had a brilliant array of the leading sorts. There were but few new introductions to receive attention. The only award of merit made by the committee in this branch was secured by C. F. Waters, of Deanland Nursery, Balcombe, Sussex, who showed a new deep cerise variety named Edith Waters. Some capital specimens, grown in pots, were exhibited, and these gave evidence of vigorous growth.

Some Little Known Vegetables.

At a recent meeting of the National Amateur Gardeners' Association, in London, W. F. Giles, a representative of Sutton and Sons, of Reading, gave an interesting lecture on "Little known vegetables; their culture and use." Of late considerable interest had been shown in this subject, Mr. Giles stated. This was probably due to the fact that so many English people travel, and meet with certain unknown vegetables abroad, and on their return inquire whether such can be grown in their own gardens. Most English gardeners could easily grow them, but the lecturer was not sure, except in a few special instances, that they could be so suitably cooked as on the continent. It was somewhat remarkable that considering the large number of different types of vegetables which are suitable for cultivation in countries with a temperate climate only a small proportion are grown in all. Even in the commoner kinds of vegetables different nations have their peculiar fancies. For instance in potatoes, English people prefer a white fleshed kind which will cook floury, whilst in

ASPLENIUM FILIX-FOEMINA VICTORIÆ.



No branch of outdoor gardening can be more engrossing and pleasurable to the lover of the beautiful in Nature than the culture of ferns. A fern grotto in a suitable place and properly cared for is a delight all summer long and we often wonder that this feature is not more generally introduced in home grounds. Among the hardy ferns the Aspleniums are in the first rank as to variety and usefulness. They are found all over Europe, America, Asia and northern Africa. Few ferns are more generally admired than *Asplenium filix foemina* the "Lady

Fern," in the scores of forms into which it has sported. There is almost no end to its diversity of frond; some are feathery, some tasselled, others tufted like parsley, others twisted and distorted, and to these variations distinctive names have been given. Our illustration shows one of the most interesting forms in which the pinnae cross each other with beautiful regularity. We got the photograph from H. A. Dreer, Riverton, N. J., who has been making a specialty of the hardy deciduous ferns and can supply these fancy forms in large assortment.

France yellowish fleshed sorts which have a close waxy texture are more generally liked. Again, in this country we prefer the delicious marrow-fat peas with wrinkled seeds, but on the Continent the small, round seeded kinds are largely grown. In some parts of America the flat-headed or Drum-Head cabbage is preferred to the tender little conical hearts eaten in this country, whilst in France the cabbage is not often served as a vegetable at all. Even amongst what are usually regarded as English vegetables there are many types almost unknown to the general public, although familiar to most gardeners. W. H. ADSETT.

PHILOSOPHY AND BREEDING.

Mr. Editor.—I have been quite interested in the articles in HORTICULTURE on "Mendel's Law" but there is a statement made in the concluding article which I think requires further explanation. Near the end of the paper occurs these words in brackets "excluding philosophy and preconceived opinions." Now, Mr. Editor, the literal meaning of the word philosophy, as given by the lexicographers is, the love and pursuit of wisdom and knowledge. A more modern idea perhaps is that philosophy assumes to be the critic of the sciences. Now if breeding is a science it must harmonize with every other science, for nature cannot conflict, unless there is something wrong with what we understand as nature;

then there must be confiction until nature itself is straightened out. However, as I reason true philosophy and the true science of breeding must harmonize and therefore we cannot exclude philosophy from breeding.

GEORGE F. STEWART.

West Medford, Mass.

CORNELL BULLETIN ON SWEET PEAS.

The first report of the co-operative work between the National Sweet Pea Society and the Horticultural Department of Cornell University is being published as a bulletin of the Cornell Experiment Station. It is just off the press and may be secured by all residents of New York State interested in sweet pea culture, and by non-residents who are members of the National Sweet Pea Society. The secretary of this society is Harry A. Bunyard, care of Mr. Arthur T. Boddington, 342 West 14th St., New York City.

This first bulletin contains mainly the results of fall and spring planting tests in addition to a very thorough study of the forcing or winter-flowering type of sweet peas. The Department of Horticulture has been studying these types under glass for the past two seasons, and this bulletin contains the results of this study. The bulletin has been prepared by Professor John Craig and Mr. A. C. Beal of the Department of Horticulture.

Dreer's High Grade Hardy Perennial Phloxes

These are not dug from the field, but are one-year-old, field-grown plants which were dug early in the season, cut back, potted up into three-inch pots, and are now well established, with a good ball of soil, and will give a wealth of bloom this season.

STANDARD COLLECTION OF CHOICE HARDY PHLOX

Price for any of the varieties listed below, **\$5.00 per 100, \$40.00 per 1000**



HARDY PHLOX

Albion (Medium.) One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Anton! **Mercie** (Medium.) Light ground color, upper half of petal deeply suffused bluish blue; large white halo.

Baccabante (Tall.) Tyrian rose with crimson-carmine eye.

Beranger (Dwarf.) Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid (Tall.) White, with large crimson-carmine centre.

Belle Alliance (Medium.) White, with large pure red eye.

Clara Benz (Dwarf.) Lovely carmine rose, with darker eye.

Colibri (Tall.) White, with crimson-carmine centre; very late.

Consul H. Trost (Medium.) Pure red, with bright French-purple eye.

Champs Elysees (Dwarf.) A very bright rosy magenta.

Caran d'Ache (Medium.) Geranium-red, with old rose shadings and white eye; very effective.

De Miribel (Medium.) White, suffused with bright rosy scarlet, red eye.

Edmond Rostand (Medium.) Reddish violet, shading brighter towards the centre, with an exceptionally large white centre.

Eugene Danzanvillier (Tall.) Lilac, shading white towards the edges; large white centre.

Edmond Boissier (Dwarf.) Bright reddish-violet, with large white halo.

Eclairer (Tall.) Brilliant rosy magenta, with large lighter halo.

General Giovanelli (Dwarf.) Bright tyrian rose, with light shadings at the base of each petal, a pure red eye; very effective.

General von Heutz (Medium.) Scarlet, with rose shadings and crimson-red eye.

Hermine (Dwarf.) The dwarfiest variety in our collection, never exceeding ten inches in height; pure white flowers of good size, early; unequalled for bordering; a perfect little gem.

Helena Vacaresco (Dwarf.) Very large-flowering dwarf, white.

H. O. Wijers (Tall.) White, with bright crimson-carmine eye.

Henry Murger (Tall.) White crimson-carmine centre.

Henry Marcel (Medium.) Pure red, with bright salmon shading.

Henry Boyer (Medium.) Tyrian rose, with lighter shadings.

Jules Cambon (Medium.) Brilliant reddish-purple, with exceptionally large, pure white centre.

Sarabande (Medium.) Reddish-violet, with lighter shadings.

Von Goethe (Tall.) Tyrian rose, suffused with carmine lake and carmine-red eye.

Von Hochberg (Tall.) The ideal crimson Phlox.

Vesuvius (Medium.) One of our own seedlings; pure red with bright purple eye; a dazzling color.

Von Lassburg (Medium.) The purest white in cultivation, individual flowers larger than any other white.

Jean d'Arc (Tall.) A good standard late white.

Louis Blanc (Tall.) Reddish-violet, with purple shadings and darker eye.

La Vague (Medium.) Pure mauve, with aniline red eye.

La Mahdi (Tall.) Deep reddish-violet, with darker eye.

Louise Abbema (Dwarf.) Very large dwarf, pure white, of fine form.

Mme. Paul Durtie (Tall.) A delicate lilac rose, reminding one of some of the beautiful soft pink Orchids.

Mozart (Tall.) Ground color white, suffused salmon; aniline-red eye.

Mrs. Jenkins (Tall.) The best tall early white for massing.

Obergartner Wittig (Medium.) Bright magenta, with crimson-carmine eye; large flower and truss; one of the best.

Pantheon (Tall.) Bright carmine rose.

Prosper Henri (Dwarf.) Pure white, with large decided eye of rosy magenta.

Pacha (Dwarf.) Deep rose pink, suffused with solferino-red and carmine-purple eye.

R. P. Struthers (Tall.) Rosy carmine, with claret-red eye, fine.

Sunshine (Dwarf.) Large, aniline-red with crimson-red eye and light halo.

Selma (Tall.) Large flower, pale rose mauve, with claret-red eye.

Siebold (Tall.) Bright vermilion-red, overlaid with orange scarlet; crimson-red eye.

THREE FINE NEW HARDY PHLOX

Price of the New Varieties :

\$1.50 per doz.; \$10.00 per 100; \$90.00 per 1000

Elizabeth Campbell. Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much-wanted shade in Phlox.

Frau Anton Buchner. The finest white variety yet introduced, having the largest truss and individual flower, of dwarf habit.

Rosenberg. Bright reddish-violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

HENRY A. DREER, Inc., 714 Chestnut St., Philadelphia

The Above Prices Are Intended for the Trade Only.

Obituary

Mrs. Margaret M. Le Moul.

Mrs. Margaret M. Le Moul, wife of Emil Le Moul, florist, Fourth avenue, New York, who has been sick since Easter, died on May 15.

John Wolf.

John Wolf, an employe for eleven years of the Elm City Nursery Co., New Haven, Conn., committed suicide in Bridgeport on May 11. He was 48 years of age. He leaves a wife and family.

Lacy Young.

Lacy Young of the Deamud & Young Fern Co., died at his home in Thompsonville, Mich., May 16th, at the age of 36 years. For ten years until the time of his illness he had been connected with the firm and was well known and popular. Interment at Fremont, Mich.

Prof. Robert O. Graham.

Prof. Robert O. Graham of the Illinois Wesleyan University died suddenly at Bloomington, Ill., on May 26, aged 55 years. He was a prominent educator and at the time of his death was president of the State Horticultural Society. He was an authority on fruit culture.

Cyrus G. Pringle.

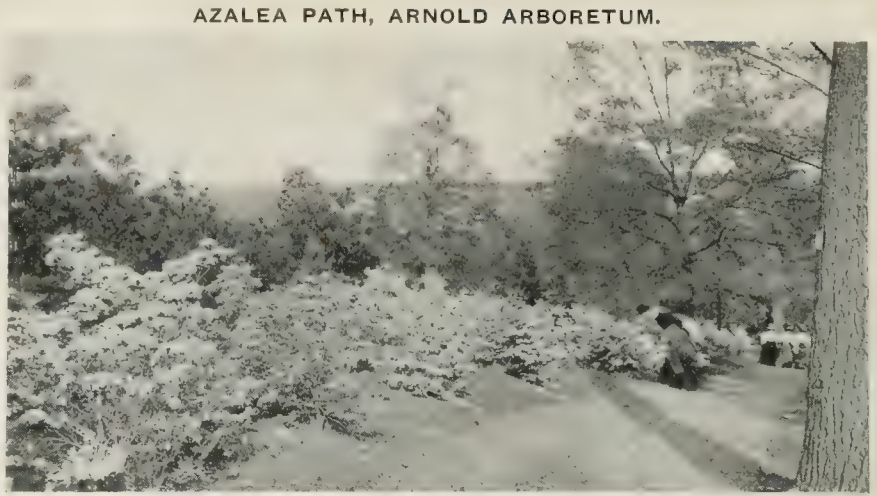
An expedition in search of botanic specimens, a week or more previous, resulted in the death on May 25, at Burlington, Vt., of Prof. Cyrus Guernsey Pringle, curator of the herbarium at the University of Vermont, and one of the best known botanists in the United States. He caught a cold which developed into pneumonia. He was 73 years old and unmarried.

Charles Armitage.

Charles Armitage, president of Hitchings & Co., greenhouse builders, died at his home in Montclair, N. J., on May 22, aged 65 years. Death was caused by heart disease, resulting from shock sustained in an automobile collision some weeks ago, but Mr. Armitage had been in failing health for some time previous. It has been the writer's privilege to know Mr. Armitage personally for many years. He was a most affable, polished and kindly gentleman—always courteous and considerate. He is survived by his wife, one son and four daughters, to whom we extend sincere sympathy.

Lemuel Ball.

At his home in Wisconsin, May 24th, Lemuel Ball, a noted palm grower and florist of Philadelphia, aged about sixty years. A special meeting of the Florists' Club was called on the 25th inst., and appropriate action taken for the funeral services, which took place on the 27th inst. Mr. Ball came of an old and respected family in the northeastern section of the city. He engaged in manufacturing business early in life but this not proving a success, he, with his younger brother, Charles D. Ball, started in the florist business at Tacony—some thirty years ago—under the title of Ball Brothers. They grew cut flowers and bedding plants mostly in



AZALEA PATH, ARNOLD ARBORETUM.

the early days. Later, Mr. Ball quit the flower growing and went into the clothing business with George Castor. On the dissolution of this partnership he went back to the florist's business, erecting the plant at Wisconsin where he became noted finally as one of the most successful palm growers of the country, and continued that line to the day of his death. His brother, Charles D. Ball, also conducts a large palm growing establishment in the same vicinity. Mr. Ball married Miss Castor, a sister of the George Castor mentioned above. She died a good many years ago. One daughter survives. Lemuel Ball was well known in trade circles, and was a very upright and highly respected citizen—esteemed by all who knew him.

G. C. W.

Lloyd G. Blick.

The demise of Lloyd G. Blick, of Norfolk, which was announced last week, removes one of the finest men in our business, and one who was esteemed not only locally, but all over the country. He had many warm friends in the trade, and a number of them including Mr. and Mrs. Edward Reid, of Philadelphia, made the long journey to Norfolk to attend the funeral services. He is survived by a brother, J. W. Blick, and two sisters, one of whom, Miss L. A. Blick, was associated with him in business. Mr. Blick was in his 46th year. We all appreciate the following quotation from a local paper:

"Few men were blessed with a happier disposition. Few men were so popular. So companionable was he, indeed, that it was a privilege to know him, and no one in Norfolk had a wider or larger circle of friends, each of whom will feel his demise as a personal loss. He was a man of sterling integrity and his kindness of nature and affability were most remarkable."

G. C. W.

THE THINGS I PRIZE.

These are the things I prize
And hold of deepest worth:
Light of the sapphire skies,
Peace of the silent hills,
Shelter of forest, comfort of the grass,
Shadows of clouds that swiftly pass,
Music of birds, murmur of little rills,
And after showers
The smell of flowers,
And of the good brown earth—
And best of all along the way,
Friendship and mirth.

Henry Van Dyke.

PHILADELPHIA NOTES.

Charles E. Meehan is glad to be back in harness again after a two weeks' siege of illness, and we are certainly glad to see him. He may not realize it himself, but we all have missed his wise, witty and energetic personality every minute of the time. When a man, by dint of pluck, perseverance and shrewd business ability, has carved for himself a dominating place in the markets of his locality, he is wanted every day, and there is no place for sickness. Our sentiment is: we forgive you this time, old scout, but don't let it occur again.

The fourteenth annual spring exercises of the National Farm School, Bucks County, Pa., will take place on Sunday, June 4th. A special train will leave the Reading terminal at 9.30 a. m. Among the exercises will be the dedication of Pennsylvania Hall, consecration of memorial trees, installation of freshman class, and inspection of farms and buildings. Addresses will be made by Jacob A. Riis, Professor F. H. Green, Governor Tener, Attorney-General John C. Bell, and others. Professor Fancourt, of the Horticultural Department, will be on hand to welcome florist friends.

M. Rice reports much progress and prosperity in Europe and a whole lot of the other thing—just the same as it is here—under similar economic laws—but they are changing more quickly there than we are. The British must not be judged by the luxury of the Hotel Metropole in Brighton, where Mr. & Mrs. Rice had to give their order four hours in advance before they could have the distinction of taking tea there. They are putting some common-sense laws in force in Britain, and also in Germany, in this year of our Lord, and we Americans also are beginning to wake up. As Joseph Fels says: "As Great Britain fiddles the world dances." We are keeping close tabs, and one way or another are bound to get in line—and maybe give a tip or two in return.

HORTICULTURE:

Malden, Mass., May 22, 1911.

Please withdraw my adv. from your paper (for Vincas) as I am all sold out.
H. HANSEN.

INCORPORATED.

Muncie, Ind.—The Williams & Clark Floral Co., capital \$10,000. Incorporators, Emma Longfellow, C. C. Clark, and R. J. Williams.

San Benito, Tex.—San Benito Sem-Tropical Nursery, capital \$1,000. Incorporators, J. C. Miller, J. George Bower and M. W. Jones.

Springfield, Ill.—The W. E. Lynch Co., capital \$20,000. Incorporators, Andrew J. Ryan, Edward J. Prebis, Irvin I. Livingston and W. E. Lynch.

Dansville, N. Y.—The Maloney Bros. & Wells Co., nursery and seed business, capital \$60,000. Directors, Wm. F. Maloney, Albert E. Maloney, Frederick W. Wells.

NEWS NOTES.

Missoula, Mont.—J. H. Smith is now store manager for the Missoula Nursery Co., formerly foreman for the same firm.

New York, N. Y.—The four-story building, 117 West 28th street, has been leased by the S. S. Pennock-Meehan Co., for a term of years.

Wilmette, Ill.—The Northwestern Floral Co., on June 1, will move to their new plant at Grosse Point. Their present place has been leased by Jas. F. Bernard as reported in the last issue of HORTICULTURE.

GERANIUMS

BEST STANDARD VARIETIES

Well-grown strong 4-in. pot plants in bud and bloom.

\$7.00 per 100; \$65.00 per 1000

Salvias, Petunias, Heliotropes and other Bedding Plants in variety and quantity

Write for prices.

JOHN MCKENZIE, North Cambridge, Mass.

BOSTON FERNS, $2\frac{1}{2}$ inch \$30.00 per 1000.

WHITMANI, $2\frac{1}{2}$ inch \$5.00 per 100; \$40.00 per 1000; \$50 at 1000 rates.

MAGNIFICA, 15 cents each.

H. H. BARROWS & SON

Whitman, Mass.

FERNS FOR DISHES

Assorted varieties, 2-in. pots, \$3.50 100;

\$30.00 1000; 500 at 1000 rate.

Cash with order

FRANK OECHSLIN

4911 Quincy St., CHICAGO, ILL.

Gladiolus, Cinnamon Vines

Madeira Vines, Lilies, Iris, Daphne Cneorum, Syringa Japonica and Wistarias.

Write for Price List.

E. S. MILLER, Wading River, N. Y.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

Hyacinths for Christmas

Dutch Stock cultivated for one season in the South of Europe. Bulbs ripen a few months earlier than in Holland. Have proven to be sure bloomers for Christmas. Also TULIPS and NARCISSI.

Write for particulars and prices.

LOECHNER & CO.,

11 Warren Street, New York

CANNAS In 30 Varieties

From $3\frac{1}{2}$ -inch pots, strong plants, \$6.00 and \$8.00 per 100.

CHRYSANTHEMUMS

Golden Eagle, Gloria, G. W. Childs, Linwood Hall, Miss May Hankey, Miss May Seddon, Merstham Yellow, Old Gold, Oct. Frost, Patty, Virginia Poehlman, Vivand Morel.

From $2\frac{1}{2}$ -inch pots, 60c. per dozen; \$4.00 per hundred.

GENERAL COLLECTION.

Col. D. Appleton, Golden Dome, Mrs. Clay Frick, Mille. Jeanne Rosette, Nagoya, Pacific Supreme, The Harriott, White Shaw, Yellow Eaton.

Rooted Cuttings, 30c. per dozen; \$2.00 per 100. From $2\frac{1}{2}$ -inch pots, \$3.00 per 100.

A. J. Balfour, Autumn Glory, Ada Spaulding, Cullingfordii, Early Snow, Golden Glow, Geo. Kalb, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jennie Nonlin, J. E. Lager, J. H. Troy, J. K. Shaw, Maud Dean, Meta, Monrovia, Moneymaker, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Mrs. Robt. McArthur, Major Bonnafon, Mad. Ferd Bergeman, Polly Rose, Pink Ivory, Riverside, Robt. Halliday, Soleile D'October, Timothy Eaton, W. H. Lincoln, White Bonnafon, William Duckham.

Rooted Cuttings, 30c. per dozen; \$2.00 per 100; \$15.00 per 1000. From $2\frac{1}{2}$ -inch pots, 50c. per dozen; \$3.00 per 100; \$25.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales.

	Size pots	100
ALYSSUM	$2\frac{1}{4}$ -in.	\$3.00
ACHYRANTHES, 5 sorts	$2\frac{1}{4}$ -in.	3.00
ABUTILON Savitzii	$2\frac{1}{4}$ -in.	4.00
ABUTILON Savitzii	3 -in.	6.00
AGERATUM, Blue and White	$2\frac{1}{4}$ -in.	3.00
AGERATUM, Blue and White	$3\frac{1}{2}$ -in.	5.00
ALTERNANTHERAS	$2\frac{1}{4}$ -in.	3.00
AMPELOPSIS Veitchii	3 -in.	8.00
ASPARAGUS Sprengeri	$2\frac{1}{4}$ -in.	3.00
ASPARAGUS Sprengeri	3 -in.	6.00
ASPARAGUS Sprengeri	4 -in.	10.00
BEGONIA, Vernon, Erfordi, Snow Queen, Crimson Bedder and Carmine	2 -in.	3.00
CUPHEA Platycentra	$2\frac{1}{4}$ -in.	3.00
COLEUS, All leading sorts	$2\frac{1}{4}$ -in.	3.00
COLEUS, All leading sorts	3 -in.	4.00
CENTAUREA Gymnocarpa	$2\frac{1}{4}$ -in.	3.00
DRACAENA Indivisa	4 -in.	15.00
DRACAENA Indivisa	5 -in.	25.00
ENGLISH IVY	4 -in.	8.00
FEVERFEW, Double White	$2\frac{1}{4}$ -in.	3.00
FUCHSIAS, Dble. and Single	$2\frac{1}{4}$ -in.	3.00
FUCHSIAS, Dble. and Single	$3\frac{1}{2}$ -in.	8.00
FORGET-ME-NOT	$2\frac{1}{4}$ -in.	3.00
GERANIUMS, dble. and single	$3\frac{1}{2}$ -in.	7.00
Special Varieties	$3\frac{1}{2}$ -in.	8.00
Double and Single	$2\frac{1}{4}$ -in.	3.00
Ivy-leaved, Double	$3\frac{1}{2}$ -in.	8.00
Fragrant, Rose, etc.	$3\frac{1}{2}$ -in.	8.00
Fancy-leaved	$3\frac{1}{2}$ -in.	8.00
HELIOTROPE	$2\frac{1}{4}$ -in.	3.00
HELIOTROPE	$3\frac{1}{2}$ -in.	6.00
IVY, German	$2\frac{1}{4}$ -in.	3.00
LOBELIA, New Double Blue	$2\frac{1}{4}$ -in.	4.00
LOBELIA, New Double Blue	3 -in.	5.00
LOBELIA, Dwarf and Trailing	$2\frac{1}{4}$ -in.	3.00
MOONVINE, True White	$2\frac{1}{4}$ -in.	4.00
MOONVINE, True White	4 -in.	10.00
PETUNIAS Single Fringed	$2\frac{1}{4}$ -in.	3.00
SALVIAS	$2\frac{1}{4}$ -in.	3.00
SALVIAS	4 -in.	6.00
SWAINSONA Alba	$2\frac{1}{4}$ -in.	4.00
STEVIA, Compacta and Variegata	$2\frac{1}{4}$ -in.	3.00
TROPAEOLUM, Double	$2\frac{1}{4}$ -in.	4.00
TRADESCANTIAS	$2\frac{1}{4}$ -in.	3.00
VINCA Variegata	3 -in.	5.00
VINCA Variegata	4 -in.	10.00

Send for Catalogue.

WOOD BROTHERS

Fishkill, N. Y.

Please mention Horticulture when writing.

Just as sure as little apples some growers could make more money doing general housework than growing lily bulbs. They persist upon buying the cheapest they can and expect the best results. There is as much difference in lily bulbs as between a buzzard and a bird of paradise. It always pays to buy the best, and the best produced, of course, are not the cheapest. Grow them well—take care of them—they want plenty of moisture and remember that liquid manure is to the lilies what yeast is to bread—they There is no better flower than a lily for funeral work and nothing more appropriate—your business requires them all the year around. Cold Storage Horseshoe Brand lily bulbs ready for immediate or future delivery.

Order now!



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

Seed Trade

Effect of the Drought.

Although there have been occasional showers over New England and the Atlantic States in general during the past week, the drought has not been effectively broken and conditions have only received a little temporary help. We stated some weeks ago, that the pea crop in Delaware and Maryland would be light and recent advices fully confirm this. It is now so late that rain would not have any material effect in those states. Indiana and Ohio both need rain badly. Crops of all kinds are suffering for the lack of same. It is, of course, not too late for improvement, but unless we have rain very shortly, early peas, at least in these states, will be light. Fortunately we get better reports from Michigan and Wisconsin where the bulk of the seed peas are grown. Conditions in those states up to the present time are reported to be very favorable and if we can have the same conditions continue for the next six weeks, we shall be reasonably assured of a good average crop of seed.

Transplanted crops such as cabbage, tomatoes, cauliflower, etc., have been seriously affected by the drought as a considerable percentage of the plants have failed to make a live of it and when others have been set out, they have fared but little better.

European Outlook.

We have had no further advices affecting European seed crops, since our last report but do not think conditions are going to prove quite as bad as many in the trade fear. We are simply expressing an opinion, which perhaps is the result of the hope that is in us, but we should get something more definite in the way of news within the next few weeks.

Seedsmen's Convention.

Referring to the approaching Seedsmen's Convention at Marblehead, Mass., it may be well to suggest that those contemplating attending this convention, would do well to secure rooms. There is not much probability of the house being overcrowded but, at the same time, it costs very little to secure a reservation and if for any reason it cannot be used, it can be easily cancelled. It is hoped that the seedsmen will turn out in goodly numbers but being so far east and the season being so late the country over, it would not be surprising if the attendance was rather lighter than usual.

Canners' Convention for Rochester.

As predicted in these columns weeks ago, the committee having the matter in charge, has chosen Rochester as the place for the next National Canners' Convention. A few details remain to be arranged to the satisfaction of the committee, but Rochester's representatives will certainly concede any reasonable request and it may be considered as settled.

We congratulate Rochester. She has been working for this for several years and has accepted defeat philosophically each year. She has been a good loser and deserves to win.

PERENNIAL FLOWERS

Every florist should have a fairly representable collection of "Perennial Flowers" in his establishment be it either for the purpose of growing them for cut-flowers or plant trade. Many of the best varieties are readily grown from seed but in order to have them fairly large in the spring they should be sown in June.

We offer a very complete collection in our "Wholesale Seed Catalogue." Write for it to-day

HENRY F. MICHELL CO., 578 Market St., Phila.

Notes.

Waco, Tex.—Headquarters for the Rush Park Seed Co. of Independence, Iowa, are to be established here.

Toledo, Ohio—Charles Burge is to erect a 30 x 60 concrete and brick seed house at Ontario and Lafayette streets to cost \$8,160.

Atlantic, Iowa—C. E. Livingston's interest in the Botna Valley Seed House has been purchased by W. F. Shindley and W. T. Woodward.

Considerable damage was done to the fields of young onions south of Chicago by the severe storm the night of the 27th. There was a high wind which, with the rain and hail, drove the young onions from the soil and the fields are white with the ruined plants.

PUBLICATIONS RECEIVED.

Board of Park Commissioners of Minneapolis, 28th Annual Report, 1910. This is a remarkable and truly splendid publication. It contains a vast amount of detailed information which is of general interest but especially so to those who are concerned in parks and playgrounds and the providing of outdoor recreation and amusement for the people of a great city. There are 37 full page engravings showing scenes of beauty and enjoyment in the various parks and playgrounds and 14 maps and plans showing improvements completed or projected. Minneapolis park system comprises 3392 acres, much of it being of great natural picturesque beauty. There are seven lakes of which the largest is Lake Calhoun, 460 acres. The total expenditure for land and improvements up to Dec. 31, 1910, has been \$5,550,175.40. The past five years have been marked by great progressive activity under the inspiration and direction of that most proficient and tireless superintendent Theodore Wirth. Minneapolis is highly favored in having acquired his services just at this time when such a man was needed to develop and at the same time wisely conserve the splendid natural attractions which were at her doors.

Seventh Annual Report of the State Forester of Massachusetts, 1910. State Forester Rane has here presented an

excellent and very interesting report on the work and future needs of his department. Forest fires, reforestation and particularly the work on the suppression of the gypsy and brown-tail moth are treated with particularly full detail and there is very much in the book that every resident of Massachusetts should carefully peruse. The book is well illustrated with half-tones and diagrams.

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
BEET, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

NEW JERSEY-GROWN TOMATO PLANTS

Here is the center of the Tomato District of the United States and our tomato plants are the best of Imported Stone, Matchless, Cumberland Red, Success, Red Rock, Livingstone's Beauty and other varieties. One dollar and a half per thousand. Cabbage, Pepper, Beet and Lettuce plants.

WARREN SHINN, Nurseryman, WOODBURY, N.J.

SEEDS

Asparagus Plumosus \$2.00 per 1,000.
SPRENGER \$1.00 per 1000. **STRAW-BERRY GUAVA** .20 cts oz. **SMILAX** 25 cts per oz. All from my own plants.

C. H. Gardiner, South Pasadena, Calif.

Headquarters for

SPRING BULBS

Send for Trade List

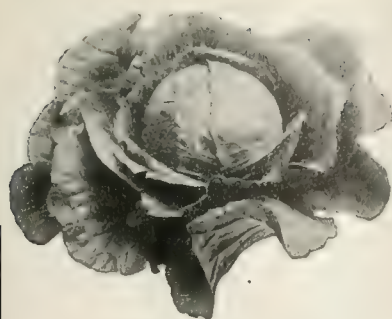
John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



"Copenhagen Market." Galvano free.

Our Splendid 1910 Novelty "COPENHAGEN MARKET"

Earliest, large headed and equal maturing Cabbage in existence. Not obtainable by any other Danish grower

Contract Now for 1911 Crop

CAULIFLOWER and CABBAGE SEED.

Largest acreages and finest stocks in Denmark.

HJALMAR HARTMANN & CO., Copenhagen, Denmark

Seed Growers for the Wholesale Trade only

First Danish firm who called personally on the U. S. A. and Canadian seed trade



BEGONIAS GLOXINIAS
in separate colors

Asters in all varieties and in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER FISKE RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - BOSTON

**TURNIP SEED
BEANS**

For immediate delivery

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

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SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

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**BRIDGEMAN'S SEED WAREHOUSE
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37 East 19th St., - NEW YORK CITY

SEEDS BULBS

For Immediate Planting
Finest Florist Strains

"BUDS"

C. R. CLOECKNER, Pres.
76 Barclay Street, New York

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:— I want to state that your three grades of Poultry Food; Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.

BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Import Bulb List

Well Worth Reading

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The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

*Thorburn's
Seeds*

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulae,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

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sections of Ohio, Indiana and Canada.

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Cor. Michigan Ave. and 31st St., CHICAGO

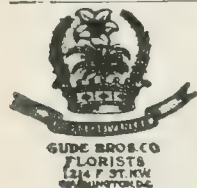
We ship to all points in Illinois and Iowa.

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**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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96 Yonge St., - - Toronto, Ont.

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**J. A. VALENTINE
Pres.**

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**WILLIAM L. ROCK
FLOWER CO.**

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Oakland, Cal.—The retail store of
the Armstrong Floral Co. has been
closed.

Detroit, Mich.—Ed. Bliel has dis-
posed of his interest in the Flower
Shop to Miss Hattie Holzhauer.

Minneapolis, Minn.—The florist busi-
ness of H. Barsch, 1501 Sixth avenue,
north, has been sold to Fred Fodden.

Viola, Idaho—J. L. Bourn has sold
his greenhouse and business to Scott
Bros. of Garfield. Lewis Scott will as-
sume charge.

A. T. Bunyard, of 413 Madison ave-
nue, New York City, has opened for
the summer season on Bellevue Ave.,
Newport, R. I.

STEAMER DEPARTURES

Allan.	
Parisian, Boston-Glasgow....	June 9
American.	
New York, N. Y.-Shampton	June 3
Philad., N. Y.-Shampton....	June 10
Atlantic Transport.	
Minnewaska, N. Y.-London	June 3
Minneapolis, N. Y.-London	June 10
Anchor.	
Cameronia, N. Y.-Glasgow	June 3
California, N. Y.-Glasgow....	June 10
Cunard.	
Caronia, N. Y.-Liverpool	June 3
Campania, N. Y.-Liverpool	May 7
Hamburg-American.	
Moltke, N. Y.-Mediterranean	June 3
Amerika, N. Y.-Hamburg	June 8
Pres. Grant, N. Y.-Hamburg	June 10
Holland.	
Potsdam, N. Y.-Rotterdam	June 6
New Amsterdam, N.Y.-R'dam	June 13
Leyland.	
Winifredian, Boston-L'pool	June 3
Bohemian, Boston-Liverpool	June 10
NORTH GERMAN LLOYD.	
North German Lloyd.	
Kron, Wilhelm, N.Y.-Bremen	June 6
G. Washington, N.Y.-Bremen	June 8
Koenig, Albert, N. Y.-Med'n	June 10
K. Wilhelm II, N. Y.-Bremen	June 13
RED STAR	
Red Star.	
Kroonland, N. Y.-Antwerp	June 3
Finland, N. Y.-Antwerp	June 10
White Star.	
Arabic, N. Y.-Liverpool	June 3
Cymric, Boston-Liverpool	June 6
Adriatic, N. Y.-Southampton	June 7
Romantic, Boston-Mediterranean	June 10
Celtic, N. Y.-Liverpool	June 10

NEW FLOWER STORES.

Oakland, Cal.—Luke's Floral Co.,
210 Powell St.

St. Louis, Mo.—M. H. Ostertag, Del-
mar Building, King's Highway and
Delmar boulevard.

NEWS NOTES.

Loon Lake, Wash.—An irrigated
tract here has been purchased by
George W. Johnson and he will estab-
lish the Highland Nursery.

Boone, Iowa—The greenhouse of I.
O. Kemble was visited by a severe
hail storm recently. Practically half
the glass was broken and stock dam-
aged. The loss of glass, about \$400,
is covered by insurance.

Joliet, Ill.—A severe storm on May
20th broke considerable glass in the
greenhouses of the Chicago Carnation
Co. The roof of a wagon shed was
blown onto one of the houses of Jos.
Labo nearly destroying it.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any
part of the United States, Canada, and
all principal cities of Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspond-
ents in all the large cities of Europe and the British
Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points,
New York City, New Jersey, etc. At
Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care prop-
erly of all orders for flowers entrusted
to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your
retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

WHAT ARE YOU DOING

to make June, the month of Brides and Graduations a busy and Profitable One for You?

Boxes and Crates

are being shipped from our warehouses every day to florists all over the country, containing just the goods that the public are eager for at this season. Are any of them billed to you? If not you are neglecting your opportunity. There's as good money in them for you as for the other man who is stocking up and getting ready and knows why?

For Spring Weddings we offer Bridal Bouquet Holders, Fancy Baskets in Great Variety of Style and Material. Also of the latter we have a Superb Stock in Novelty Quality for School Graduations, Commencements, etc.

Behind These Goods

stands the name and guarantee of the oldest, largest and best-known Florists' Supply House in America. **Quality, Freshness, Servicability and Prices are unrivalled.** Send for price list and suggestions on seasonable standard goods and novelties and mention Horticulture when writing.

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

Established 1874.

JOHN V. PHILLIPS FLORIST

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

In ordering goods please add "I saw it in HORTICULTURE."

PERSONAL.

John E. Lager, of Summit, N. J., sailed for a European visit on the Lusitania, May 30.

M. Walsh has accepted the position of manager and grower for J. Kopelman, Oaklawn, R. I.

N. Ireland, lately with the Forest Hills Cemetery, Jamaica Plain, Mass., has been appointed foreman for A. Cowee, Berlin, N. Y.

Lucien Le Clere is now employed in the Poehlmann greenhouses, Morton Grove, Ill. He was formerly in business with his father in Lexington, Ky.

Wm. H. Gear, Cincinnati, returned Friday from Martinsville, Ind., where he has been spending the last ten days recuperating from sciatic rheumatism.

Frank L. Budlong, of the J. A. Budlong & Son Co., Providence, R. I., and Mrs. Irene D. Wilton, of New York, were married in Providence, R. I., on May 17th.

D. Cameron, American representative of Sander & Son, St. Albans, Eng. and Bruges, Belgium, will sail from New York on the Oceanic, June 21, to return in October.

E. Fred Rowe, for many years connected with James Vick's Sons, of Rochester, has left his position with that house to take a place with the McFarland Publicity Service as chief of its copy department. When Mr. Rowe arrived in Harrisburg to assume his new duties he found a pleasant remembrance from his former employers and associates in the form of a vase of beautiful American Beauty roses, bearing the inscription, "Best Wishes of Old Friends and Former Associates of Vick's."

Visitor in Cincinnati: Frank J. Farney, representing M. Rice & Co., Philadelphia, Pa.

St. Louis Visitors—John G. Esler, secretary of The Hall Association, Saddle River, N. J., in company of director J. F. Ammann, was a visitor recently, looking over the damage done by hail a month ago.—Martin Reukauf of Bayersdorfer & Co., Philadelphia, Pa., and Sam P. Seligman of Wertheimer Bros., New York.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Ave.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

AMERICAN BEAUTIES

3500 Plants—2 Inch Pots

\$50.00 per 1000

These plants are in fine condition, ready for immediate shipment. Our price is very attractive, much below the regular market price.

The Leo Niessen Co.

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

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EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

John Kruchten

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES AND CARNATIONS

Our Specialties.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

In ordering goods please add "I saw it in HORTICULTURE."

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS

BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON May 31	CHICAGO May 30	TWIN CITIES May 25	PHILA. May 30
Am. Beauty, Fancy and Special...	15.00 to 25.00	30.00 to 31.00	28.00 to 32.00	20.00 to 25.00
" Extra.....	12.00 to 15.00	25.00 to 30.00	18.00 to 25.00	10.00 to 15.00
" No. 1.....	8.00 to 10.00	20.00 to 25.00	10.00 to 18.00	5.00 to 8.00
" Lower grades.....	2.00 to 4.00	5.00 to 8.00	5.00 to 10.00	..... to 3.00
Bride, "Maid, F. & S.....	4.00 to 6.00	5.00 to 8.00	8.00 to 10.00	6.00 to 8.00
" Lower grades.....	2.00 to 3.00	2.00 to 4.00	6.00 to 8.00	..... to 4.00
Richmond, Chatsenay, Fancy & Special	6.00 to 8.00	5.00 to 8.00	6.00 to 8.00	8.00 to 10.00
" Lower grades.....	2.00 to 4.00	2.00 to 4.00	4.00 to 6.00	4.00 to 6.00
Killarney, My Maryland, Fan, & Spl.	6.00 to 8.00	5.00 to 8.00	8.00 to 10.00	8.00 to 10.00
" Low. grades	2.00 to 4.00	2.00 to 4.00	6.00 to 8.00	4.00 to 6.00
CARNATIONS, First Quality...	2.00 to 3.00	3.00 to 4.00	4.00 to 5.00	5.00 to 6.00
" Ordinary.....	1.00 to 2.00	1.00 to 2.00	3.00 to 4.00	..... to 4.00
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	..... to 40.00
Lilies, Longiflorum.....	6.00 to 8.00	6.00 to 10.00	8.00 to 10.00	10.00 to 12.00
Lily of the Valley.....	2.00 to 4.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
Daisies.....	.50 to 1.00	..... to .....	.50 to 1.00	1.00 to 1.50
Snapdragon.....	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	..... to 5.00
Sweet Peas.....	.50 to 1.00	.50 to 1.00	.75 to 1.00	.50 to 1.00
Gardenias.....	4.00 to 8.00	..... to	15.00 to 20.00	10.00 to 15.00
Adiantum.....	1.00 to 1.25	..... to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 16.00	15.00 to 20.00	15.00 to 25.00	..... to 25.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 75.00	60.00 to 70.00	50.00 to 75.00
" " & Spren. (100 bchs)	..... to 40.00	25.00 to 40.00	30.00 to 40.00	..... to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone
Randolph 2758

Telegraph, Telephone or
Bring in Your Orders.

We Grow Our
Own Flowers

Roses and Carnations Our Specialty

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building
28 STATE ST - - - BOSTON

Telephone, Main 58.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports

BOSTON Tens of thousands, perhaps hundreds of thousands of grassy mounds, throughout New England, were strewn with flowers in lavish quantities last Tuesday. Nowhere in the country is the sentiment and spirit of Memorial Day more generally observed and carried out than in this section. It is beautiful, patriotic and humanizing—this custom of decorating the graves, not only of fallen heroes but of family and friends who have gone before. Nature provides the material in abundance at this time of the year and the humblest need not go without flowers, while for those who are able and desirous to spend money for the occasion the florist is well prepared to serve, up to any amount. Boston florists maintained moderate prices on all flowers, as usual at this time, and the quantity disposed of far exceeded that of any previous celebration. The amount of business transacted from Saturday till Tuesday was something astounding. We know of one wholesaler, the amount whose sales on Saturday were the largest on record for one day—outdistancing the sales of the largest day ever, at Easter or Christmas, by nearly 25 per cent! We have no doubt that the same is true of all the wholesale establishments, including the flower markets. Express companies were overloaded with flower boxes incoming and outgoing—in fact, flowers and floral design work seemed to be the main commodity on the street, in town and out of town. Peonies came in large quantities from points further south, Philadelphia principally. New York was drawn upon for carnations, materially helping the market on this commodity in that town. Locally, there were no lilacs, and other things that usually are just right for Memorial Day were all finished, despite the fact that up to May 1 the season was three weeks behind hand. Roses were in great abundance, and good as a rule. There were mountains of stocks, double and single, and we marvel at the strange course of a grower who will devote his greenhouses to forcing single stocks to be marketed by the bushel at Decoration Day for a ridiculous sum. Everything was well cleaned up in retail as well as wholesale places, and nobody has any fault to find with the great Memorial Day of 1911. And we might add that the artificial flower dealer also reaped a harvest—the keeping qualities of the metal wreaths appealing to many of the more humble buyers and it is only fair to the manufacturers and dealers in these goods to say that they are much more artistic and natural this year than ever before.

CHICAGO The serious glut in flowers continued to the end of the month and yet thousands of dollars' worth of orders had to be turned away because stock had become so soft with the continued hot weather as to be unfit for shipping. There is such a dearth of good stock that prices are going to hold steadily and the grower whose plants have weathered the unusual conditions will find the dollars coming in. Beauties probably held firmest of all through the month. Roses became soft and carnations sleepy. Peas

FOR THE JUNE GIRL

What is more beautiful and effective than a Peony Decoration for this joyous occasion? We have an unlimited supply, the newer varieties, mostly white and the lighter shades, delicate pinks, some darker ones too; splendid quality, really exhibition blooms.

Prices exceptionally reasonable—\$30.00 to \$40.00 per 1,000.

FESTIVA MAXIMA—\$6.00 per 100, \$50.00 per 1000.

Some good medium qualities at \$20.00 to \$25.00 per 1000.

CATTLEYAS \$6.00 per dozen.

SWEET PEAS 75c and \$1.00 per 100.

VALLEY \$4.00 per 100.

BOXWOOD 50 lb. cases, \$7.50.

NEW CROP DAGGER FERNS splendid large fronds, \$2.00 per 1000.

THREE SPLENDID NEW ROSES

"MELODY," the best yellow rose to-day; awarded Silver Medal at the National Flower Show, Boston, 1911.

"DOUBLE PINK KILLARNEY," the Killarney that will supersede the Killarney now grown.

"PRINCE DE BULGARIE," entirely different from any rose grown.

S. S. PENNOCK-MEEHAN CO
THE Wholesale Florists of PHILADELPHIA

NEW YORK
109 W. 28th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Avenue



WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI May 16		DETROIT May 16		BUFFALO May 30		PITTSBURG May 23	
Am. Beauty, Fan. and Sp.....	8.00	to 12.00	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00
" Extra	4.00	to 6.00	20.00	to 25.00	12.00	to 15.00	12.00	to 15.00
" No. 1.....	.....	.....	15.00	to 20.00	8.00	to 10.00	6.00	to 8.00
" Lower grades.....	.....	.....	4.00	to 12.00	2.00	to 3.00	3.00	to 4.00
Bride, 'Maid, F. & S.	4.00	to 6.00	6.00	to 8.00	5.00	to 6.00	5.00	to 6.00
" Low. gr.	2.00	to 3.00	4.00	to 6.00	2.00	to 3.00	4.00	to 6.00
Richmond, Chateauf, Fancy & Special	4.00	to 6.00	0.00	to 8.00	5.00	to 6.00	0.00	to 8.00
" Lower Grades..	2.00	to 3.00	4.00	to 6.00	2.00	to 3.00	3.00	to 4.00
Killarney, My Maryland, Fan. & Spl.	4.00	to 6.00	0.00	to 8.00	6.00	to 8.00	6.00	to 8.00
" Low. Grades ..	2.00	to 3.00	1.00	to 6.00	2.00	to 4.00	3.00	to 4.00
CARNATIONS, First Quality .....	.....	to 3.00	2.00	to 3.00	2.00	to 2.50	2.00	to 3.00
" Ordinary .....	.....	to 2.00	1.00	to 2.00	1.50	to 2.00	.....	to 1.00
MISCELLANEOUS								
Cattleyas	50.00	to 75.00	50.00	to 75.00	50.00	to 60.00	40.00	to 60.00
Lilies, Longiflorum.....	4.00	to 6.00	.....	to 12.50	6.00	to 8.00	8.00	to 10.00
Lily of the Valley	1.00	to 3.00	3.00	to 4.00	3.00	to 4.00	2.00	to 4.00
Daisies .....	.25	to .50	.50	to 1.00	1.00	to 2.00	.....	to 1.00
Snapdragon	2.00	to 3.00	3.00	to 8.00	5.00	to 6.00	.....	to 8.00
Sweet Peas .....	.25	to .35	.50	to 1.00	.40	to .75	.50	to .75
Gardenias .....	.....	.....	.....	to 25.00	.....	.....	.....	.....
Adiantum .....	.....	to 1.00	1.00	to 1.50	1.00	to 1.50	1.00	to 1.25
Smilax .....	.....	to 12.50	.....	to 15.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, strings (100)	.....	to 35.00	20.00	to 30.00	50.00	to 60.00	40.00	to 60.00
" " & Spen. (100 behs.)	.....	to 25.00	20.00	to 30.00	35.00	to 50.00	.....	to 40.00

showed up poorly, but it is thought the plants are not permanently injured as was at first feared. Peonies, so far, have been a disappointment as untold numbers went to pieces. There are, however, many that are opening up in good shape side by side with those that are worthless. As was expressed in one of the largest houses, "We have to sell for 70 per cent of the regular price and then give two

peonies for each one." Lily of the valley is very good; stocks also, and gladioli, daisies, etc., furnish a good variety to choose from. Even those longest in the business found themselves confronted by new conditions for Memorial Day this year. After ten days of watching the mercury climb to the 90's a severe rain and wind storm came and the balance of

(Continued on page 828)

M. C. FORD
Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

H. E. FROMENT
Wholesale Commission Florist,
Choice Cut Flowers,
57 West 28th St. :: NEW YORK
Telephones: 2200, 2201, Madison Square.

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All choice cut-flowers in season. Send
for quotations. Correspondence with
shippers of first-class stock invited.
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Telephones 4626-4627 Madison Square

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1463 Madison Square New York

D. Y. Mellis, Pres. Robert G. Wilson, Treas.
Greater New York
Florists' Association, Inc.
Now Open for Cut Flower Consignments.
162 Livingston Street, BROOKLYN, N. Y.
Geo. W. Crawbuck Telephone Connection
Manager 3642-43 Main

Moore, Hentz & Nash
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 756
Madison Square New York

WM. P. FORD
Wholesale Florist
45 W. 28 Street, NEW YORK
Call and Inspect the Best Establishment
in the Wholesale Flower District

A. MOLTZ & CO.
Wholesale Florists
A. MOLTZ MAURICE L. GLASS
Coogan Building, 55-57 West 26th Street
NEW YORK CITY
Telephone 2921 Madison Square Open from 5 a. m. to 6 p. m.

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Fresh Cut Evergreens, Mosses,
Southern Smilax, Galax and Leucothoe.
Preserved and Fresh Cut
Cycas and Palmetto.
Tel. 1519
5893 Mad. Sq. 113 W. 28 St., New York.
REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Glassware, Decorative Greens and Florists' Requisites

P. J. SMITH
Successor to JOHN I. RAYNOR
Wholesale Commission Florist SELLING AGENT FOR
A full line of Choice Cut Flower Stock for all purposes. LARGEST GROWERS
by the 100, 1000 or 10,000 The HOME OF THE LILY
TEL. 1998 MADISON SQUARE 49 West 28th St., New York City

Walter F. Sheridan
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
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Tel. 759

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending May 27 1911		First Half of Week beginning May 29 1911	
American Beauty, Fancy and Special.....	10.00	to 20.00	10.00	to 20.00
" " Extra.....	7.00	to 10.00	8.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Held, Extra and Special	3.00	to 5.00	3.00	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Chatenay, Extra and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, My Maryland, Extra and Special	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Carnations, First Quality	1.50	to 3.00	1.50	to 3.00
" " Ordinary75	to 1.00	.75	to 1.00

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Telephone 7062 Madison

Wired Toothpicks
Manufactured by
W. J. COWEE, BERLIN, N. Y.
10,000... \$1.75; 50,000... \$7.50. Sample free.
For sale by dealers

A. L. YOUNG & CO.
WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
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Prompt Payments. Telephone 3559 Madison Sq

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Wholesale Florist
55-57 West 26th St., NEW YORK
Shipments, any quantity, Whole-
sale Market Rates.

KRICK'S FLORIST NOVELTIES
Manufacturer and Patentee of the Per-
fect Adjustable Pot Handle or Hanger,
Perfect Adjustable Plant Stands and
the Original Genuine Immortelle Let-
ters, etc. Every Letter Marked
1164-66 Greene Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.



Flower Market Reports

(Continued from page 823)

the month was expected to be decidedly cool; but not so, the heat was only intensified and the official record of 94 degrees was reached and a temperature of 115 to 120 degrees under glass was recorded day after day. Shipping trade suffered severely, for stock was in no condition to reach distant points in salable condition, and wholesalers wisely notified their customers to that effect. The hot wave continued till the afternoon of the 29th, when the thermometer suddenly dropped to 63 degrees. An unusual number of telegraph orders came in at the last because many retailers had either deferred ordering till the last hour or had cancelled orders placed earlier. This was one of the times that Chicago florists would have found a Sunday mail a great convenience.

The past week has been the hottest on record for May, the thermometer registering 96 degrees in the shade. Business was only fair. Roses are rapidly deteriorating—in fact, half the stock received is open and unsalable. Only a little high-class stock is coming in and that little brought good prices. First-class Beauties are scarce, though there are plenty of cripples. Carnations were in good supply. The quality is on the down grade. Red show the effects of the weather more than any of the other varieties; even the best have that sleepy appearance. Callas are about played out for this season. The demand for lilies is improving. The supply of lily of the valley is limited. Most of the sweet peas received are of poor quality. There is a fair supply of marguerites with a good call. Flowers for Memorial Day were overabundant, all outdoor stock being in full bloom. While the volume of business was as good as last year, nearly half again as much stock had to be handled to reach last year's mark. Never were peonies so plentiful and a good many had to be carried over. Roses were in heavy crop and it required a good deal of sorting to get out shippable stock. The call for carnations exceeded that of any other flower, consequently price held firm on good stock. The demand for common fern was exceptionally heavy, while other green goods were only in fair demand.

NEW YORK proved a very acceptable oasis in the desert and brought a welcome relief to the grower and wholesaler, who have

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

38-40 BROADWAY, DETROIT, MICH

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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Tel. 4591 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only.

MISCELLANEOUS	Last Half of Week ending May 27 1911		First Half of Week beginning May 29 1911	
Cattleyas.....	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum.....	3.00	to 5.00	3.00	to 5.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Daisies.....	.10	to .25	.10	to .25
Snapdragon.....	2.00	to 3.00	2.00	to 3.00
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 6.00
Gardenias.....	4.00	to 12.00	4.00	to 12.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, strings.....	.....	to 50.00	.....	to 50.00
" " & Spreng. (100 bchs).....	15.00	to 25.00	15.00	to 25.00

New Crop Dagger and Fancy Ferns

\$1.75 per 1000. A-1 STOCK

Discount on Large Orders

Send us your order now for Memorial Day use and get the best stock.



CRAWL FERN COMPANY

WE NEVER DISAPPOINT
Brilliant Bronze and Green Galax, \$1.00 per 1000, \$7.50 per case.
Boxwood, 15c per lb., or \$7.50 per case.
Bronze Leucothoe Sprays, \$1.00 per 100.
Laurel Wreaths, extra nice, \$1.00 per doz.
Laurel Festooning, the best, \$5.00 per 100 yds.
Branch Laurel, 35c per large bundle.
Sphagnum Moss, \$4.00 per bale.
Bouquet Green, 7c per lb.

MILLINGTON, MASS.

found little to encourage them in the few past weeks. There has been a perfect avalanche of flowers—much more than the demand could assimilate—but it has all been taken up at one price or another and is out of the way, with prospects for a very rapid reduction in the receipts from now on. Boston was, as heretofore, a godsend to the New York carnation growers and the prices locally were well maintained for Decoration Day in consequence. Of roses, peonies and outdoor bloom there is an unlimited supply. Fancy material has lagged but the beginning of June should see an improvement in demand for choice material. It cannot come too soon.

PHILADELPHIA As we write, we can hear the echoes of

"Marching Thro' Georgia" while the parade goes down Chestnut street. So, you will naturally pardon us for touching but lightly on such mercenary subjects as the flower markets of Philadelphia—under such flamboyant conditions—this week. They tell us that the volume of the flower business was equal if not a little more than that of last year and that the general trend was for flowers of the lower-priced kinds—those that were showy and gave a lot for the money. Carnations and peonies were the favorites—then followed roses. Outdoor stock like mock orange, snowball, iris, corn-

THE BEST LETTERS

FOR THOSE
FLORIST'S MADE
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Boston Florist Letter Co

66 PEARL ST., BOSTON

N. F. McCarthy, Mgr.

Order direct or buy from your local supply dealer. Insist on having the

BOSTON

Inscriptions, Emblems, etc. Always in Stock.

flower, was in good demand and sold readily at fair prices. Of course, the very hot weather had its effect on the quality of everything. This condition brought most crops in with such a rush that the quality and stamina was away below par. Wherever good, straight, fancy stock was shown, it brought standard price, without question. Wherever anything below that level appeared, any old price the buyer was willing to pay. And there was

(Continued on page 826)

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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AGERATUMS

A. N. Pierson, Inc., Cromwell, Conn.
For page see List of Advertisers.

ALTERNANTHERAS

A. N. Pierson, Inc., Cromwell, Conn.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

AQUATICS

Aquatic plants. Sagittaria natans. Write for prices. S. V. Smith, 3323 Goodman St., Philadelphia.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

ARTSTONE FLOWER VASES

Patrick Grace, Brighton, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengeri and plumosus, 2½ in., 2c. and 2½c. Roney Bros., West Grove, Pa.

Asparagus Sprengeri, 4 in., extra strong, \$7.00 per 100. J. S. Pfeuffer, Glen Riddle, Pa.

AZALEAS

P. Ouwkerker, Hoboken, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Lochner & Co., New York, N. Y.
For page see List of Advertisers.

Azaleas, fine stock plants to carry over. Van der Cruyssen, Prof. Wolters, 6 and 7 in. pots, \$35.00, 100. Chas. Encke, dwarf, 5 in., \$20.00 per 100. Make us an offer. Cash. J. Koehler & Sons, 5407 Frankford Ave., Philadelphia, Pa.

BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 50 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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A. N. Pierson, Inc., Cromwell, Conn.
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Wood Bros., Fishkill, N. Y.
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Godfrey Aschmann, Philadelphia, Pa.
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BEDDING PLANTS—Continued

Bedding plants in variety; Heliotrope, Fuchsias, Petunias, Salvias, Ageratums, Stocks, etc., 3½ in., 6c.; Coleus, Verbenas, Mme. Sallerol, Golden Feather, Lobelias, Petunias single, 2½ in., 3c. Cash. H. Hansen, Malden, Mass.

Geranium Poitevine, Vaud, Jaulin, La Favorite, English Ivy, Salvia Bonfire, Heliotrope, Fuchsias, Double White Feverfew, 3½ in., \$6.00 per 100; Geranium Sallerol, German Ivy, Double Sweet Alyssum, 3 in., \$5.00 per 100; White Marguerite, 3 in., \$4.00 per 100; Coleus, G. Bedder, Verschaffelti, Queen Victoria, 2½ and 3 in., \$2.50 and \$4.00 per 100; Green Cannas, 3½ in., \$5.00 per 100; Achryanthus Lindenii, Ageratum, Double Lobelia, Dusty Miller, Verbenas, 2½ in., \$2.50 per 100; Abutilon Savitzli, 2 in., \$3.00 per 100. Cash. F. Sokol, Worcester, Mass.

BEGONIAS

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Skidelsky & Irwin Co., Philadelphia, Pa.
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A. N. Pierson, Cromwell, Conn.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOUVARDIAS

Bouvardias, white, pink, 2½ in. pots, ready May 25, \$4.00 per 100. Butz Brothers, New Castle, Pa.

BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Henry A. Dreer, Inc., Philadelphia, Pa.
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Joseph Breck & Sons, 47-54 N. Market St., Boston.
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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
Quality Bulbs.

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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.

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BULBS AND TUBERS—Continued

John Lewis Childs, Flowerfield, L. I. Spring Bulbs.

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The W. W. Barnard Co., Chicago, Ill. Import Bulb List.

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Fottler, Fiske, Rawson Co., Boston, Mass. Begonias, Gloxinias.

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E. S. Miller, Wading River, N. Y.
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CANNAS

Wood Bros., Fishkill, N. Y.

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5000 Cannas, 3 inch, 10 Best, \$5.00 per 100. King Humbert, 3 inch, 7c.; 4 inch, 8c. Benjamin Connell, Merchantville, N. J.

Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

CANNAS, WELL STARTED.

Austria\$0.75 100; \$7.00 1000
Italia75 100; 7.00 1000
Chas. Henderson 1.50 100; 12.50 1000
J. W. YATES, Box 110, Tuskegee Institute, Ala.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

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Chicago Carnation Co., Joliet, Ill.
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Wood Bros., Fishkill, N. Y.
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Poehlmann Bros., Morton Grove, Ill.
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CEMETERY VASES

N. F. McCarthy & Co., Boston, Mass.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

CLEMATIS

Clematis paniculata from 2 in. pots, \$2.50 per 100; \$26.00 per 1000. Cash. H. G. Norton, Perry, Ohio.

CHRYSANTHEMUMS

Chas. H. Totty Madison, N. J.
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Wood Bros., Fishkill, N. Y.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Haldiday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonnaffon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

For List of Advertisers See Page 831

CHRYSANTHEMUMS—Continued SMITH'S CHRYSANTHEMUMS. WEEKLY BULLETIN.

Fine stock ready for immediate delivery, not less than 25 of a kind at hundred, and 250 at thousand rate. The flowering season is in the order given beginning with the earliest.

WHITE		
Polly Rose	100	1000
Ivory	\$3.00	\$25.00
Beatrice May	4.00	35.00
Clementine Touse	3.00	25.00
Indiana	4.00	35.00
Miss Clay Frick	4.00	35.00
Pres. Taft	4.00	35.00
Mrs. Wm. Arnold	3.00	25.00
Mlle. Margaret Desjouis	3.00	25.00
Lynnwood Hall	4.00	35.00
Convention Hall	4.00	35.00
Tim. Eaton	3.00	25.00
W. H. Chadwick	4.00	35.00
White Helen Frick	5.00	45.00
Yanoma	3.00	25.00
Jeanne Nonin	3.00	25.00

YELLOW		
Yellow Oct. Frost	4.00	35.00
Comoleta	3.00	25.00
Yellow Ivory	4.00	35.00
Donatello	5.00	45.00
Crocus	3.00	25.00
Dolly Dimple	4.00	35.00
Yellow Eaton	3.00	25.00
Mrs. W. E. Kelley	4.00	35.00
Major Bonaffon	3.00	25.00
Golden Chadwick	5.00	45.00
Yellow Jones	3.00	25.00
Nagoya	4.00	35.00

PINK		
Glory of Pacific	\$3.00	\$25.00
Pacific Supreme	3.00	25.00
Gloria	3.00	25.00
Pink Ivory	3.00	25.00
Mrs. Wm. Wincott	3.00	25.00
Vivian Morel	3.00	25.00
Dr. Enguehard	3.00	25.00
Patty	4.00	35.00
Mayor Weaver	3.00	25.00
Minnie Bailey	3.00	25.00
Maud Dean	3.00	25.00
Pres. Roosevelt	4.00	35.00
Helen Frick	3.00	25.00
Mlle. Jeanne Rosette	3.00	25.00

RED		
L'Africane	\$4.00	\$35.00
Intensity	4.00	35.00
John Shrimpton	4.00	35.00

Those interested in ANEMONES, POM-PONS and SINGLES will be quoted upon application.

This bulletin will be changed each week to comply with stock on hand. Rooted cuttings will be furnished at 50c. per hundred, \$5.00 per thousand, less than prices quoted above.

ELMER D. SMITH & CO., ADRIAN, MICH.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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A. N. Pierson, Inc., Cromwell, Conn.
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CONIFERS

Eastern Nurseries, Jamaica Plain, Mass.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Boehrs Company, Rutherford, N. J.

DAISIES

Daisies, Marguerites, 4 and 4½-in., nicely budded, \$10.00 per 100. Cash.
John Fuhlbruegge, Winona, Minn.

DAHLIAS

Herbert, Acto, N. J.
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R. Vincent, Jr. & Sons Co., White Marsh, Md.
For page see List of Advertisers.

William A. Finger, Hicksville, L. I., N. Y.
Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.
Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.
John Scott, Brooklyn, N. Y.
For page see List of Advertisers.

DRACAENAS

Dracaena Indivisa, 4 in., 10c. Cash, please. Lake View Greenhouses, Skaneateles, N. Y., J. G. White.

Dracaena indivisa, 4 in., \$8.00; 5 in., \$18.00 and \$20.00; 6 in., \$25.00 and \$30.00 per 100. C. H. Jacobs, Westfield, Mass.

Dracaena Indivisa, extra good stock, 6-in., \$6.00 per doz.; 5-in., \$4.00 per doz.; 4-in., \$2.50 per doz. Vinca, variegated, 4-in. pots, \$10.00 per 100. Cash. Chas. H. Greer Spencer, Mass.

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

Dracaena Indivisa, 5 in., 25c.; 5½ and 6 in., 35 to 50c.; 7 and 8 in., 75c. to \$1, and larger ones \$1.50 to \$2.00. Cash. H. Hansen, Malden, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, West Newbury, Mass.
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FERNS

A. Leuthy & Co., Roslindale, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.
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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Boston ferns, large 6 in. plants, 50c. each. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N. J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.
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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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W. C. Krick, 1164-66 Greene Ave., Brooklyn, N. Y.

Immortelle Letters.

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FLORISTS' SUPPLIES

N. F. McCarthy & Co., 84 Hawley St., Boston.

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H. M. Robinson & Co., 15 Province St. and 9 Chapman Place, Boston, Mass.

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M. Rice & Co., 1220 Race St., Phila., Pa.
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Reed & Keller, 122 W. 25th St., New York.
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H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

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S. S. Pennock-Meehan, Philadelphia, Pa.
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FLOWER POTS

W. H. Ernest, 25th and M Sts., Washington, D. C.

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A. H. Hews & Co., Cambridge, Mass.
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Hilfinger Bros., Ft. Edward, N. Y.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

FUNKIAS

Funkias, fine variegated foliage, 3 in., \$6.00 per 100; 4 in., \$10.00 per 100. Cash. J. Koehler & Sons, 5407 Frankford Ave., Philadelphia, Pa.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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John McKenzie, North Cambridge, Mass.
Best Standard Varieties.

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Geraniums, leading varieties: Ricard, Nutt, Poltevine, La Favorite, Montmort, etc., at \$7.00 per 100; in bud and bloom. Cash. H. Hansen, Malden, Mass.

Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

Mme. Sallerol Geraniums, 2½-in. pots, \$3.00. Asters, Queen of Market, American Branching, Giant Comet in dark blue, light blue, white, pink and crimson; Crego pink and white, \$1.00. J. B. Shurtleff & Son, Revere, Mass.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Foley Mfg. Co., Western Ave., between 25th and 26th Sts., Chicago.

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Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

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In writing to Advertisers kindly mention Horticulture

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- Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.
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- Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.
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- Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

- H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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GREENHOUSE BUILDING MATERIAL

- A. T. Stearns Lumber Co., Neponset, Boston.
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- King Construction Co., N. Tonawanda, N. Y.
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- J. C. Moninger Co., 117 East Blackhawk St., Chicago, Ill.
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- Foley Mfg. Co., Chicago.
Pecky Cypress for Benches.
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- S. Jacobs & Sons, 1359-63 Flushing Ave., Brooklyn, N. Y.
Lord & Burnham Co.,
1133 Broadway, New York.

GOLD FISH

- Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

GREENHOUSE CONSTRUCTION

- Foley Mfg. Co., Chicago.
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- King Construction Co., N. Tonawanda, N. Y.
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- A. T. Stearns Lumber Co., Boston, Mass.
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- Hitchings & Co., 1170 Broadway, N. Y.
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- Lord & Burnham,
1133 Broadway, New York.
- Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

GUTTERS

- King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

- Florists' Hail Asso. of America.
J. G. Esler, Saddle River, N. J.
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HARDY FERNS AND SUPPLIES

- H. M. Robinson & Co., Boston, Mass.
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- Michigan Cut Flower Exchange,
28 and 40 Broadway, Detroit, Mich.
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- The Kervan Co., New York
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- Crowl Fern Co., Millington, Mass.
New Crop Fancy and Dagger Ferns.
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- J. Jansky, Boston, Mass.
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HEATING APPARATUS

- Kroeschell Bros. Co., 466 Erie St., Chicago.
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- Lord & Burnham Co.,
1133 Broadway, New York.

HELIOTROPES

- A. N. Pierson, Inc., Cromwell, Conn.

HERBACEOUS PLANTS

- P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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- New England Nurseries, Bedford, Mass.
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- Bobbink & Atkins, Rutherford, N. J.
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HOSE

- H. A. Dreer, Philadelphia, Pa.

HOT-BED SASH

- A. T. Stearns Lumber Co., Neponset, Mass.
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HYDRANGEAS

- F. R. Pierson Co., Tarrytown-on-Hudson, New York.
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- The true blue French Hydrangea from 5½ and 6 in. pots, sky blue, from 8 to 16 branches, \$9.00 per dozen. Best selected plants, \$12.00 per dozen. Cash please. A. Schultheis, College Point, Queensborough, N. Y.

INSECTICIDES

- Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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- Nicoticide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.
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- Stumpp & Walter Co., New York.
Kilndead Tobacco Dust.
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- Aphine Manufacturing Co., Madison, N. J.
Aphine.
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- E. H. Hunt, Chicago, Ill.
To-Bak-Ine Products.
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- Wilson Plant Oil and Fertilizer Co., New York N. Y.
Wilson Plant Oil.
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- H. A. Stoothoff Co., Mount Vernon, N. Y.
Tobacco Powder.

- Acme Nicotine Insecticides sold direct to the grower. Acme 45 per cent. Liquid, pint \$1.75; gallon \$12.50. Acme Fumigating Paper, case of 288 sheets \$5.50. Sample can of 24 sheets 60 cents, postpaid. J. P. Beermaker, 9 Washington Ave., St. Louis, Mo.

GYPSY MOTH CREOSOTE.

- The original Gypsy Moth Creosote, made especially by us for the Gypsy Moth Commission. Limpid at all temperatures, completely penetrates the nest; kills all eggs Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

IRON RESERVOIR VASES

- Walbridge & Co., Buffalo, N. Y.

IVIES

- German Ivy, 2½-inch, \$2.00 per 100; 3-inch, \$4.00 per 100. C. H. Jacobs, Westfield, Mass.

JAPANESE LILIES

- Loechner & Co., New York, N. Y.
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KENTIAS.

- A. Leuthy & Co., Roslindale, Mass.
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LANDSCAPE GARDENING COURSE.

- Home Correspondence School, Springfield, Mass., Dept. 8.
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LILIUM MULTIFLORUM AND GIGANTEUM

- R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LOBELIAS

- Lobelia K. Mallard, good ones, 2¼ in., 2c. J. Clint McPherson, Carrollton, Ill.

MASTICA

- F. O. Pierce Co., New York, N. Y.
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MOON VINES

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NICO-FUME

- Kentucky Tobacco Product Co., Louisville, Ky.
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- Nicotine Mfg. Co., St. Louis, Mo.
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NURSERY STOCK

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- New England Nurseries, Bedford, Mass.
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- W. & T. Smith Co., Geneva, N. Y.
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- Bobbink & Atkins, Rutherford, N. J.
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- T. C. Thurlow's Sons, Inc.
West Newbury, Mass.
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- Bay State Nurseries, North Abington, Mass.
Hardy, Northern Grown Stock.
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- McHutchison & Co., New York, N. Y.
Direct Importations.
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- Loechner & Co., New York, N. Y.
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- TREES, SHRUBS, ROSES, EVERGREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.
Manual of the Trees of North America, by C. S. Sargent, mailed to your address for \$6.00 by Horticulture Publishing Co., 11 Hamilton Place, Boston.

ONION SETS

- Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

- Jas. McManus, New York, N. Y.
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ORCHID PLANTS

- Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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- Ordonez Bros., Madison, N. J., Box 108.
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- Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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- John De Buck, New York, N. Y.
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- Orchids—largest stock in the country. Stove plants and Crotons, finest collection. Julius Roehrs Co., Rutherford, N. J.
Edward V. Low, late of Hugh Low & Co., dissolved, Vale Bridge, Haywards Heath, England. "White" Cattleyas and Choice Cypripediums are leading features.
- Orchid Growers' Manual. By B. S. Williams, 300 illustrations, 800 pages; descriptions of upwards of 2500 species and varieties of orchidaceous plants, etc. The most complete work on Orchids and orchid culture ever published. Price \$10.00. Orders filled by HORTICULTURE, 11 Hamilton Place, Boston.

PALMS

- A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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- Robert Craig Co., Philadelphia, Pa.
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- John Scott, Brooklyn, N. Y.
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- Julius Roehrs Co., Rutherford, N. J.
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- Joseph Hancock, Wyncote, Pa.
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- Loechner & Co., New York, N. Y.
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PAPER POTS

- Paper Pots: 5000 3 in., \$5; 2½ in., \$4; 2 in., \$3. Shipped flat, low freight rates. Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

- Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

- Foley Mfg. Co., Chicago.
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- A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

Petunias. Single, fringed California Giants, transplanted in soil, cool grown, \$1.50 per 100; \$14.00 per 1000. E. V. B. Felthousen, 184 Van Vrauken Ave., Schenectady, N. Y.

PHOTOGRAPHS

I make a specialty of photographing flowers, plants, etc., for reproduction. Let me submit samples and prices on material for the next catalogue or circular. Special work to order at reasonable prices. Nathan R. Graves, 414 Hayward Bldg., Rochester, N. Y.

PHLOX

Henry A. Dreer, Philadelphia, Pa.
Hardy Perennial Phloxes.
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PLANT STAKES

Seele's Tieless Plant Stakes and Trellises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Bobbink & Atkins, Rutherford, N. J.
Cypress Tubs.
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H. A. Dreer, Philadelphia, Pa.

"Riverton Special."

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Buxton Doane Co., 13 Midway St., Boston.

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Metropolitan Material Co., Brooklyn, N. Y.

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POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp., \$1.25 by mail. I. N. Kramer & Sons, Cedar Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

Cal. Privet, 18 to 24 inch., \$10 1000; Amoor River, 18 to 24 inch. \$16 1000. All 2 year, well branched. In storage for immediate shipment, f. o. b., cash with order. Have about 10,000 each kind. Order quick. VALDESIAN NURSERIES, Bostic, N. C.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.

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W. & T. Smith Co., Geneva, N. Y.

American Crown Roses

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Robert Craig Co., Philadelphia, Pa.

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Bay State Nurseries, North Abington, Mass.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

Bride, Maid, Gate, Ivory, from 2½-in. pots, nice thrifty plants, \$3.00 100; \$25.00 1000. Wm. B. Sands & Sons Co., Lake Roland, Md.

SALVIAS

A. N. Pierson, Inc., Cromwell, Conn.

Salvia, leading varieties, also yellow spotted leaves, 3½ in. plants, pinched back, just right for bedding out from 2½ in. pots, \$2.00 per 100. S. Dumser, Elgin, Ill.

SCALECIDE

B. G. Pratt Co., New York, N. Y.

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SEED GROWERS

Braslan Seed Growers Co., San Jose, Cal.

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SEED POTATOES

Wm. Elliott & Sons, New York, N. Y.

SEEDS

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Joseph Breck & Sons,

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Rickards Bros., 37 E. 19th St., New York

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W. Atlee Burpee & Co., Philadelphia.

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Arthur T. Boddington, New York

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R. & J. Farquhar & Co., Boston, Mass.

Flower Seeds for the Florist.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.

Asparagus Plumosus Nanus Seeds.

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Leonard Seed Co., Chicago, Ill.

Beans, Peas, Sweet Corn, Onion, Turnip.

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James Vick's Sons, Rochester, N. Y.

All Leading Varieties of Seeds.

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"Buds," New York, N. Y.

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J. Bolgiano & Son, Baltimore, Md.

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C. H. Gardiner, South Pasadena, Calif.

Asparagus, Guava and Smilax Seeds.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

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STRAWBERRY PLANTS

"Dewdrop," ever bearing, largest in the world, color rich crimson, no green tips, combines flavor of pineapple and wild strawberry, unexcelled shipping qualities. Free circular. H. F. Dew, Albion, Mich.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.

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VALLEY PIPS

Loechner & Co., New York, N. Y.

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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.,

White Marsh, Md.

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Spring grown Jersey Wakefield cabbage plants, transplanted and cold frame hardened. Extra fine stock, 50c 100, \$4.00 1000. Russell Bros., R. D. No. 4, Syracuse, N. Y.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.

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The Advance Co., Richmond, Ind.

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VINCAS

Vinca variegata, 2 inch, 2 cts.; rooted cuttings, \$1.00 per 100. Russell Bros., R. R. 4, Syracuse, N. Y.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.

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J. Jansky, Boston, Mass.

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Wirework. Write for our catalogue.

Holton & Hunkel Co., Milwaukee, Wis.

William E. Heilscher's Wire Works, 38-40

Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

N. F. McCarthy & Co., 84 Hawley St.

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Welch Bros., 228 Devonshire St.

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Peter Reinberg, 51 Wabash Ave.

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Hoerber Bros., Atlas Block, 51 Wabash Ave.

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The J. M. McCullough's Sons Co., 316

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A. N. Pierson, Cromwell, Conn.

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Michigan Cut Flower Exchange, 38 and 40

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M. C. Ford, 121 W. 28th St., New York

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H. E. Froment, 57 W. 28th St., New York.

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H. C. Horan, 55 W. 28th St., New York.

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A. E. Langjahr, 55 W. 28th St., New York.

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James McManus, 55 W. 28th St., New York.

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W. F. Sheridan, 133 W. 28th St., New York.

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Wm. H. Kuebler, 28 Willoughby St.,

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Moore, Hentz & Nash, 55 and 57 W. 26th

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Greater New York Florists' Association,

162 Livingston St., Brooklyn, N. Y.

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TOBACCO DUST.

Wm. Elliott & Sons, New York, N. Y.
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TURNIP SEED, BEANS.

Leonard Seed Co., Chicago, Ill.
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Flower Market Reports.

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any amount of such low grade stock. Growers came in with wagon loads and sold for any absurd figure. Many of these growers were truckers (who are never heard of in the business except at this time), and of course they took whatever was offered them and demoralized the market. But on the whole it was a pretty good Memorial Day week.

The local market was again crowded all of last week, with a slow demand for any kind of stock. The majority of the retailers report a slow business week. The extremely hot weather caused it and consignments came in very poor—in fact, all stock, home-grown as well, is of very poor quality. On Monday, May 29, prices advanced a few cents and the demand for Decoration Day started off good, but here the plant trade is much better than the cut flowers for this day and cheap prices are demanded for cut flowers for decoration purposes. Three cents for poor carnations is too high and other stock about the same. Roses are very poor now. Peonies sell well when good. Sweet peas are still too many. All kinds of greens are in plenty.

FORCING LILACS AROUND PARIS.

By Josef Vales in Moeller Deutsche Gaertner-Zeitung.

(Translated by G. Bleicken.)

In the vicinity of Paris, where the culture and forcing of lilacs exclusively is carried on extensively, you can buy forced lilacs from the middle of October up until June. The rules followed in the growing and forcing of these, although not new, will perhaps prove valuable to the trade, especially for such as contemplate to go into forcing lilacs on a larger scale.

The plants for forcing are dug in the middle of August, only such as show flowering buds being selected. The plants must be "drawn in" after digging; that means they have to stand in the shade to ripen off slowly. Foliage, which does not come off by itself has to be removed. The "drawing in" takes about four weeks. Yet the bulbs must not shrivel and it may become necessary to water dry balls, in order to prevent too rapid drying off, and to secure a natural and regular ripening of the wood. When all growth has ceased—about the time of the first night frost, all watering must stop for good, not to be renewed until one week before forcing time. This first watering is given in order to start the buds again; sometimes this takes two good waterings. Of course plants dug up at the natural fall season for later forcing do not need to be dried off like the first batch.

Before forcing commences the plants must be pruned and special attention must be paid to the work, else it does more harm than good. All twigs not ending in a flower bud must go entirely; only such as grow out of the root or the neck of the plant are left on; of two such shoots only one is left on. In case of a leaf and a flower bud on the same twig, they remain, the leaf bud to be pinched out later.

For colored lilacs there are forced "Andenken an Ludwig Spaeth" and "Charles X;" for whites "Marly." Marly is a rose color, but bleaches to pure white in the forcing houses, the same being covered with tiles or tar paper on boards. Into this air-tight roof windows are fitted every ten feet to give light for the workman inside and at the same time the little light which the plants require for growth. Marly houses are usually 30 to 40 feet long and 12 feet wide, the back 12 feet and the front 9 feet high. All direct sunlight must be excluded during the forcing. The heating pipes run along the walls.

In these houses the plants are dug in, as they come out of the nursery or the sheds, the larger plants in back, the smaller ones in the front part of the house, and covered over with soil to the depth of 3 to 4 inches. The houses are started with heat from 82 degrees to 88 degrees F., after November, 88 degrees to 102 degrees F. After planting a thorough watering is given, and again as the buds expand, at the first watering, syringing of twigs and buds is also beneficial. As soon as the buds have opened to about one inch length, all twigs are disbudded, and only the two end buds remain. If one of these is a leaf-bud it is now pinched out. Walks are located either through the centre of the house or along the side.

In 18 days after planting, the first sprays are cut. The flower sprays are cut with the one-year-old wood left on to length of 20 inches. Some especially fine sprays for large decorations are had with a length of six or seven feet.

A little different from the Marly treatment is the forcing of the colored lilacs. For them the houses have glass roofs. More light and more air are necessary—about twice as much of both as in the Marly houses. In consequence of more airing and less heat the time required to force colored lilacs is considerably longer. One colored variety, Sangana, has flower buds along the whole length of her twigs, therefore is not disbudded. The flowers are a little smaller though. Straw mats are used here in covering the houses at night. In the autumn a temperature from 76 degrees to 82 degrees F. is sufficient; later on, 82 degrees to 88 degrees F. Always give for a few days (say four to five) a lower temperature at the beginning.

The storage of the plants is best done in sheds. After carefully drying them off they are brought into the sheds, where they are handled over several times, always watering any balls that have become too dry, and looking out always that no flower buds commence to shrivel up. After pruning them finally, they are put away in layers 8 to 10 feet high; boards or shutters are put over them and mats again over them, hanging down on all sides to the ground.

In this manner the dormant lilacs are stored away until spring, and are not uncovered till May to give the flowering plants for June, when all out-of-door lilacs have gone to seed. Of course this is the last lot for that season in the storage house, the other batches being taken out according to need. Always water the batch to be used, one week before commencing to force.

In conclusion we have to mention that in Paris all lilacs are cultivated in the nurseries six to seven years before forcing. This assures flowers of absolutely first class quality. In the fourth and fifth year all are transplanted with a good ball, and cultivated thoroughly during their stand in the out-door grounds. By this manner of culture almost every twig carries good flowering buds, and not useless leaf-buds, which with less careful culture will merely turn up in larger quantities.

GREENHOUSES BUILDING OR CONTEMPLATED.

York, Pa.—Edwin Foust, one house.

Grand Rapids, Mich.—R. Jonker, two houses.

Kalispell, Mont.—Kalispell Gardens, addition.

Elmhurst, Ill.—Geo. H. Rabe, range of houses.

Kalispell, Mont.—A. Salmon, range of houses.

Tewksbury, Mass.—M. A. Patten, one house.

Providence, R. I.—Joseph Kopelman, one house.

Guilford, Conn.—Branford A. Latham, one house.

Austin, Minn.—A. N. Kinsman, carnation house 27 x 160 feet.

Morrison, Ia.—R. R. Davis Co., cucumber house 40 x 400 feet.

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CHICAGO NOTES.

"Hampton Court Garden."

Among the fine pieces of landscape gardening this spring will be a Hampton Court Garden at the Armour summer home, Lake Forest, Ill. It will be superintended by Bruce McGregor, whose brother so successfully planned the same effect at the World's Fair, at St. Louis.

Geraniums.

The growers of bedding stock, particularly of geraniums have had their special trials this year. The late Easter kept the plants in the background till the warm weather came and all at once the season was upon them and the grower not able to meet an unusually early demand. There are a great quantity of geranium plants at the various greenhouses, but for every plant in bloom there are several not yet showing color. Almost a month of extreme heat has burned the blooms badly on some plants. Nevertheless, geraniums sell, for there is nothing else so satisfactory, but waiting on customers this year is not altogether an unalloyed pleasure.

Personal.

George Fisher and Miss Dora Shapiro will be married at the home of Mr. Fisher's parents, Kalamazoo, Mich., June 6th. The groom is a member of the firm of H. A. Fisher Co., of Kalamazoo, and Battle Creek, Mich., and is located in Chicago as purchaser for the house. Mr. and Mrs. Fisher will be at home to their friends, August 1st at 5007 Forestville avenue, Chicago, and have the best wishes of the trade.

Geo. Woodruff is now home from the hospital and is gaining strength daily.

Mrs. John Zeck, who underwent a severe operation on her foot, is home again and slowly recovering.

Chas. W. McKellar is back from Hot Springs, Ark., and feels quite himself again.

T. Waters is helping Fisher Bros., of Evanston, through their spring rush.

Chas. Schneider has again opened a downtown retail store, this time at 32 Washington street, on the bank floor. The store has been newly decorated and Mr. Schneider has put in a stock of fancy jardiniere and other florists' wares, which he will handle with cut flowers, plants, etc.

H. Philpott arrived in Chicago on Memorial Day to attend the Milwaukee-Chicago club meeting, Thursday, June 1st. The return cards so far show that a large number of the Chicago club members are expecting to attend. Mr. Philpott says the cool weather at Winnipeg has stimulated trade there and that the florists at St.

Landscape Gardening



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A course for Home-makers and Gardeners taught by Prof. Craig and Prof. Batchelor, of Cornell University. Gardeners who understand up-to-date methods and practice are in demand for the best positions. A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

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WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED about July 1, a first-class carnation man. Must be young, single and absolutely temperate. A growing place for the right man. References required. C. G., care HORTICULTURE.

WANTED—Two or three young men, 2 or 3 years' experience as greenhouse assistants at private place, 20 miles from Boston; wages \$50 per month. Address M. J., care HORTICULTURE, Boston.

FOR SALE

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A Hodge make of East Boston tubular steam boiler in use a few months only, and in splendid condition. Length 13 ft. 4 in., diameter 40 in., 2 in. tubes, modern rocker grate, and complete front and all irons for bricking in. Price, loaded on your team here or on cars, \$100.00—and it is worth \$400.00. W. C. Ward, 577 Adams St., E. Milton, Mass.

FOR SALE—Special 16 x 18 and 16 x 24 double thick glass in "A" and "B" qualities. Buy now and save money. Write FARSHLESKY BROTHERS, INC., 50 Montrose Ave., Brooklyn, N. Y.

FOR SALE—Beautiful 40 acre farm located in the "Garden Spot of Illinois." Large greenhouse, small nursery. With team, implements, nursery stock, \$2000. Greatest bargain in the country. M. Benson, Dongola, Ill.

BUSINESS CHANCES

PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conservative, care HORTICULTURE.

Paul and Minneapolis appeared to be having a busy time when he was there on the 29th.

August Jurgens is taking down two of his houses and putting things in good shape generally for another year. He finds his auto delivery a great help in facilitating that branch of the business.

Visitors: Leslie Gregg, with Kring Bros., Fairbury, Ill.; Mr. Bolter, Oshkosh, Wis.; Mr. York of Lakeside Floral Co., Houghton, Mich.; Mr. Burt, Jackson, Mich.; James Wild, Sarcoxie, Mo.; Andrew Peterson, Hoopetown, Ill.

THE BLISTER RUST OF WHITE PINE.

The dangerous European disease of white pine (*Cronartium ribicola*), which was recently introduced into America, was by the prompt and active co-operation of all parties concerned, eradicated, as far as found; but there is no evidence that all the cases have been found, nor is there any means of preventing the importation of more diseased white pine nursery stock.

The reforestation movement has created a market for a considerable amount of white pine stock, and the producing capacity of the American nurseries has not kept pace with the demand. The prices for American trees are higher than European prices for the same grade of stock, so that while pine stock has been imported for years for ornamental grounds, it has been only during the last five years that the importations have been for reforestation. While the monetary first cost of imported stock is less than that of American stock, the various items of expense which necessarily are incurred bring the two nearer together than would at first be thought, and the risks of injury from the long trips, and the danger of importing destructive insects and fungous pests are so great that any but the most venturesome should be deterred from importing such stock.

There are many American nurserymen who regularly import their one-year-old coniferous seedlings, and it is safe to say that in the spring of 1909 ten million coniferous seedlings were imported into this country from European nurseries, and that of these, several millions were white pine. A few foresters familiar with European conditions and appreciating the danger of importing the fungus, refuse to accept foreign white pine seedlings and transplants.

The United States Department of Agriculture investigated the outbreak in 1909 of this disease, and has just issued a report on the subject (Bureau of Plant Industry Bulletin 206), in which a full and detailed account of the fungus producing the disease is given, the public is assured that there need be no undue apprehension as the disease has been eradicated once, and can be again should it be imported, but advising that America should raise her own white pine seedlings, and that importations from affected countries be prohibited.

With the importation stopped, the methods of prevention are briefly: Watch the Ribes (currants and gooseberries) during the first and second seasons; keep five-leaved pines at least 500 feet from Ribes; remove and burn all diseased pine trees, making inspections of the trees from the last of April to June 10 and of the Ribes from July 1 until late in the fall, removing diseased bushes and burning them; do this annually as long as any diseased trees or bushes are found.

The preference of this parasite (*Cronartium ribicola*) for the five-

leaved pines is of special significance to America, since the species are naturally present through the western, northern and northeastern forests and are planted more or less commonly throughout the country. The chances of great losses if this fungus should even approximate its past record in Europe are very good. Estimates of possible damage show that such losses would very soon exceed the total value of all coniferous stock ever imported into the country.

The United States Department of Agriculture should be informed promptly and accurately of every importation of white pine and Ribes.

THE BULB TRADE.

Washington—According to Consul Frank W. Mahin of Amsterdam, the United States sells to Holland about 400,000 pounds of bulbs a year and buys from that country about 6,650,000 pounds a year. This is very near the proportion of the Dutch trade to the rest of the world. The record of the past two years, as furnished by the General Society for Bulb Culture at Haarlem is given as follows, (a kilo being equal to 2.2046 pounds):

Countries	Imports from		Exports to	
	1909	1910	1909	1910
	Kilos.	Kilos.	Kilos.	Kilos.
United States	180,200	152,700	3,483,200	3,071,000
United Kingdom	504,800	649,500	6,478,800	6,446,400
Germany and Austria	52,000	68,900	4,733,500	4,432,200
France, Belgium, Italy, Spain, Portugal, Greece and Turkey	482,400	543,300	945,100	937,900
Scandinavia and Denmark	1,800	1,200	1,709,400	1,725,000
Russia	1,000	1,900	519,100	578,500
Japan	9,100	100,900		
Other countries	100		53,400	46,900
Total	1,231,400	1,518,400	17,922,500	17,237,900

It is explained that the shipments by parcels post would largely increase the totals here given. The trade has doubled in exports and trebled in imports during the past ten years. Tulips, hyacinths and some varieties of narcissus constitute the bulk of the trade.

Japan is becoming a more important origin of supply every year. Shipments from that country began with 3311 kilos in 1902. They increased but little until 1910 when they suddenly jumped to 100,900 kilos. The maximum shipments from the United States were 205,100 kilos in 1907. Great Britain has made great gains in bulb exports, which have increased 800 per cent. in 10 years. The figures for the United States would be greater, it is explained, but for the fact that Germany and Austria formerly bought American bulbs in Holland, but now import them direct from the United States.

Early frosts threatened the Dutch bulb crop but good weather since then has made the prospect good for a normal but retarded crop.

F. J. DYER.

NEWS NOTES.

Marshalltown, Iowa.—It is rumored that Stark Bros.' nursery in Louisiana, Mo., will be moved here. They employ about 400.

Huntington, Ind.—Suit for the dissolution of the greenhouse firm of Oliver H. Diffendurfer and Anthony Bieberich was filed on May 24th. The partnership was formed in 1909.

A mosquito repellant is soon to be added to the insecticide specialties of the Aphine Manufacturing Co., of Madison, N. J.

THE FLOWER SHOW AT BOSKOOP (HOLLAND).

After a speech by the Minister of Agriculture, the show was opened by Prince Henry. The judges from abroad present were Roehrs (U. S. A.), Pynaert, Closon, Kuyk, Stegman, Vuylsteke (Belgium), Hansen (Denmark), Ernst, Muller, Brodersen, Dahnhardt, Hammelbacher, Buchner, Stofregen, Siebert, Frendeman, Lambert, Tintelman (Germany), Russell, Culberth, Cutbush, Thomson, Brydon, Cheal (England), Grummes, Sagulin (Finland), Ramelet, Roger, Bois, Boullet (France), Scaravatti (Italy), and Kirchlechner (Hungary).

They attended the dinner given by the Town Council and the Pomological Society, the boat excursion to the harbors of Rotterdam and the lunch given by the Holland-America line on board "The Ryndam."

The show was visited by Queen Wilhelmina, the Queen Mother, the Duchess of Albany, the Count of Arnstatten, the four ministers of agriculture, public works, home affairs and colonies, the English legation, the Mexican mission, the Japanese ambassador, etc. altogether 60,000 persons visited the

show in 14 days. It was a great success in every respect. Of all plants sent in, rhododendrons and azaleas occupied the first place, further lilacs, roses, hydrangea, Japanese maples, peonies, lilies, buxus, palms, aucuba, etc., etc. There was not room for all the plants which were sent. Among the rhododendron novelties, Pink Pearl, White Pearl and Strategist excelled, as fine maculated Sappho, Mme. Jules Porgues and Mme. van Houtte. Among the several azalea groups there were very remarkable varieties and new crosses. The Japanese cherries, especially the double-flowered Shirofugen, Hisakawa and Benifugen, were very beautiful. The clematis plants were exhibited in cones with fence-work. Deutzias, magnolias and glycines, the beautiful dark red *Malus floribunda* *atrosanguinea*, the lilacs, prunuses, tree-peonies, double-flowered *Amygdalus persica* Clara Meyer, etc., all drew special attention. Among the dwarf Polyantha roses, Jessie gave a very favorable impression, while many Hybrid Teas exhibited their flower in great perfection.

Among the novelties there was much which could not remain unnoticed: The *Azalea mollis* x *sinensis* varieties, T. Koster and Beauty of Boskoop, *Azalea mollis* Betsy van Nes, *Azalea occidentalis* hybrids, the rhododendrons Direktor Siebert, Mme. B. de Bruin, Aucklandii hybrids and Everestianum fl. pl. Prince Camille de Rohan, the clematis varieties Prins Hendrik and Mr. Patyn, roses Elna Teschendorf, Louise Walter and Lady Hillingdon, the lilac Mlle. van Tol.

This first Boskoop show was of more than ordinary importance in its kind. It was closed on the 20th of April.

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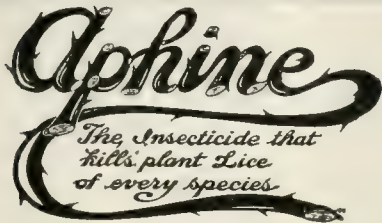
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Pint.....	\$ 1.50
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5 Gallons.....	47.25



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I have tried this insecticide on a new species of Coccid, Stictococcus dimorphus, Newst., which attacks cacao, with very favorable results. This pest is a very difficult insect to keep under control.

Yours faithfully,

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\$2.50 per gallon—\$1.00 per quart.

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An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has the equal of destroying mildew on roses and carnation rust.

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Send for name of nearest selling agent.
Aphine and Fungine can be used in house or field.

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**TOBACCO
DUST**
\$2.00—100 lb.

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**PRATT'S
"SCALECIDE"**
Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance."
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With Deming Spray-Pumps You can have a good crop of pears, plums, cherries, apples, etc., if you keep your trees in good condition—free from insects.

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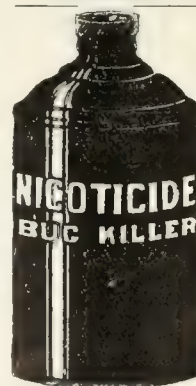


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Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

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1500 2 1/2 " " "	6.00	60 8 " " "	3.00
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450 4 1/2 " " "	5.24	24 11 " " "	3.60
320 5 " " "	4.51	24 12 " " "	4.80
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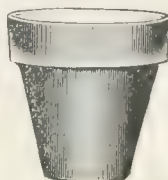
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NEWS NOTES.

Princeton, Minn.—W. C. Middlebrook has resumed business here.

Anoka, Minn.—Victor Peterson has purchased the Pratt-Ford greenhouses which he has operated for the past two years.

Grand Rapids, Mich.—The city has taken over the Crabb & Hunter green-

houses for park purposes. The property has been used for greenhouse business for about fifty years.

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HORTICULTURE

Vol. XIII. JUNE 10, 1911 No. 23



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15 to 16.....	5 50	5 00	25 to 26.....	12 00	8 50	35 to 36.....	18 00	14 00
17 to 18.....	6 50	5 50	27 to 28.....	13 50	9 50	37 to 38.....	19 00	15 50
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P. O. No. 1, Woburn, N. J.

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Seasonable Notes on Culture of Florists' Stock

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Where bench-grown adiantums show unmistakable signs of deterioration throw them out and plant new stock. Give the house and benches a thorough cleansing to kill all fungus and insects. Before putting in the soil give the benches a good coat of hot lime, and see that you give good drainage. Use a compost of turfy loam three parts, cow manure and leaf mold each one part, and enough of sand to keep the compost porous. Strong plants from 3 or 4-inch pots will make fine stock. Keep the house well ventilated, without allowing strong currents of air to blow on the plants. See that they have a light shade during the summer, just enough to break the strong rays of the sun. Where you intend to carry old plants over for another year you should withhold water so as to sweeten up the soil, and then remove whatever loose surface soil you can. Give them a rich mulch and under these conditions new growth will finally appear and grow stronger and more abundantly for the short spell of rest.

BENCHING CHRYSANTHEMUMS

A very important program now is the planting of young stock. Give your houses and benches a good cleaning and wash-down and when they have dried out give the benches a coat of fresh whitewash. For these plants it is very hard to say what forms the ideal soil, for fine flowers are produced in differing soils. I think sod that was laid up last fall and cow manure added in proportion of one part to three of soil forms a splendid material. In filling the benches see that they are just level full, but don't neglect to press firmly around the edges of the bench. The distance apart to plant should be governed by the grade of flowers and the varieties you propose to grow. If your aim is to have fine flowers with good foliage, strong-growing sorts should have from 8 to 10 inches apart. After planting don't allow your plants to become choked up with weeds; stir the surface regularly and fumigate once a week if the weather permits. Give abundant ventilation both top and bottom for this is very essential. To keep the house in a favorable atmospheric state for their growth they should have frequent syringings daily. See that they have water when the surface of the sod becomes dry, but never practice in overdoing it.

CUTTINGS OF POINSETTIAS

When the cuttings are about three inches long they should be taken off. Have some powdered charcoal handy so you can dip them in as soon as possible to stop bleeding. It is better to have some new and rather gritty sand placed in your propagating bed than to trust to old sand. Protect them carefully from the sun by shading and see that they are kept well watered. It will take from three to five weeks for them to get rooted in. They should be potted off while the roots are small. Leaf mold and loam with some sand will

do for the first potting and after potting keep them shaded and rather close until they get established, when they can be grown in cooler quarters. During their growth avoid dryness at the root or soggiess, which will show itself in the loss of foliage. Plants that you want to grow for cutting should be planted before they get too much potbound. A good compost to use is fibrous loam three parts, well decayed manure one part. For pans don't propagate until about July 15, which will be sufficiently early.

FERNS IN FRAMES

All small-growing ferns can be grown satisfactorily in frames during the summer. They should be plunged in ashes or spent hops up to the rims and the sashes raised high enough to allow an abundance of air at all times. All ferns such as are used for table ferneries can be grown in this manner better than in a house, because, on all warm days, you can maintain the proper condition of atmosphere by giving them a great deal of air direct. Many ferns of stronger growth used during the winter as decorative plants will be found to put on a vigorous growth of perfect shape and compact sturdy habit, by this treatment. Shade the sashes just heavy enough to intercept the sun's rays. One of the most important points in frame culture for ferns during the summer is the cool bottom you have by plunging the pots to their rims. They can stay here until the middle of September with good results.

LEFT-OVER ASTILBE JAPONICA

Where you have the ground to spare and have some of these plants left over from Memorial Day, don't throw the plants away. Give them a rich and rather moist piece of ground. Divide the large clumps in half and give them from 15 to 18 inches in the rows, and about two and a half feet between the rows. Keep the ground well cultivated and you will have heavy clumps by the fall of the second year, which you can divide into two or three pieces. These will force just as well as imported stock. Every grower should plan to do this with any left-over plants.

PRUNING OF FLOWERING SHRUBS

As the flowering shrubs go out of bloom is the proper time to prune them, so they will have time to make a good growth and set their flower buds. All shrubs that set their flower buds in the fall should be pruned just after blooming; such as spiraeas, lilacs, deutzias, forsythias, loniceras, weigelas, philadelphus, viburnums and many others too numerous to name. On the other hand, all shrubs that set their flower buds on the current year's growths, such as hydrangeas, hardy roses, etc., will stand pruning hard back in the spring, which produces better and larger flowers. In pruning all the former shrubs they will probably all require some reduction of the tops to put them in shape, but it would be better to reduce the number of growths rather than to do too much shortening. Remove all dead or weak wood and cut back any growth that is straying away from the others and you will vastly improve the next year's bloom.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Begonias; Nerines; Orchids; Pansies for Winter Flowering; Roses carried over; Smilax.

HORTICULTURE

VOL. XIII

JUNE 10, 1911

NO. 23

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.
 WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10 per cent.; six months (26 times), 20 per cent.; one year (52 times), 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at Boston, Mass., under the Act of Congress of March 3, 1879.

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less those who decided on Marblehead, Mass., gave the matter their very careful consideration and quite possibly could not have selected a more desirable spot. It would seem that many of the western members who seldom get a sniff of sea air, would be glad to journey a few hundred miles further in order to enjoy this pleasure. It is generally conceded that the convention at Atlantic City last year was thoroughly enjoyed by all, and there is no reason why this year's meeting should not be equally enjoyable. We hope to see a large and representative turnout.

Very welcome is the rain which has come at last to refresh the thirsty crops and restore the parched-up land to normal condition and fertility. The

aggregate loss to all departments of agriculture and horticulture because of the scanty rainfall of the past two seasons is almost beyond computation—far up in the millions and hundred of millions. The showers, thus far, welcome as they have been, are but as a drop in the bucket that is needed, but perhaps they are only a beginning of what is to be a season of rainfall which will go far towards averaging up for past deficiency. The destruction wrought in nurseries and gardens, in the eastern section of the country, at least, during the winter of 1910-11 is most pitiful, especially among the conifers. The winter-killing of evergreens is something not easily explained, as a rule, so contradictory are the effects under what seem to be parallel conditions but, in the present case, all experts seem agreed that the insufficiency of moisture during the two previous seasons was a dominant factor in the ruin which this spring has disclosed—much more so than the immediate winter inclemency.

The extended and constantly lengthening lists of varieties of peonies, rhododendrons, roses, sweet peas and other plants of commercial prominence have been the subject of frequent criticism, as is well known. In a general way the protest is justifiable, the lists of too-nearly-alike varieties and the introduction of new sorts that are no better than those already in general use furnishing good reason for such disapproval. But we should not forget that the well-known standard varieties of today were the untried novelties of yesterday and it is only by raising and testing new things that any progress can be made. Again, there are always local conditions and influences that play an important part in establishing the merits or demerits of a plant in different locations. For instance, we find in the Arboretum Bulletin in this issue a list of rhododendrons that have proven reliably hardy in the Arboretum, some of which are quite similar to one another, yet it would be unwise to cut such a list down, as the worst behaved in one garden would often prove to be the best behaved in another and, again, the best behaved in one particular year might be the worst behaved in the next. This reasoning would apply generally to all classes of plants and flowers and condemnation based on individual tests should be sparingly indulged in. Somebody else may have equally good reason to draw opposite conclusions.

Some have surmised that the place chosen for this year's Seed Trade Convention, while ideal so far as the hotels and surroundings go, is a little too far east to draw the western members. Doubt-

The Seedsmen's
 Convention

A BEAUTIFUL MASSACHUSETTS ESTATE.

The committee on gardens of the Massachusetts Horticultural Society made its first visit of the season last week to the estate of George E. Barnard at Ipswich, Mass., to inspect his recently constructed rock garden and also his gardens of spring-flowering plants.

Although the season had been very unfavorable thus far on account of the unusual lack of rain during the past two months, the numerous gardens on the estate proved well worthy a visit. The most noticeable change made in the grounds since the committee's inspection of the previous year was the extension of the rock garden. This has been carried up on the adjoining hillside and a structure erected composed of large rocks, making it the most conspicuous feature of the estate.

A miniature rocky ravine, thickly bordered with *Osmunda* ferns nearby, through which a stream of water flows from the height above makes another attractive feature, and when the present plantings of hardy perennial shrubs and herbaceous flowering plants cover the rocky mass it will be a model rock garden. On the upper slope of the hill forming a suitable background for the rockery, is a row of spruces, and the lower slopes are filled in with a collection of rhododendrons and azaleas now in fine flower.

Although lacking as yet the finish which will be added when the rocky bank is covered with flowers and foliage, the whole scheme is effective and promises to make this estate a notable one on the North Shore. To the head gardener, John S. Critchley, credit is due for the skill and taste displayed in bringing to a completion this notable undertaking.

Conspicuous among the masses of flowering plants in the various gardens were marigolds, pansies, zinnias, geraniums, iris, lupins, yellow alysum, columbines in blue, white and yellow; *Lychnis viscaria*, *Hesperus matronalis* in white and purple, *Keria japonica*, *Deutzia Lemoinei*, *Silene* and *Azalea mollis*.

The visiting committee consisted of President Charles W. Parker, chairman of the garden committee, and Messrs. Charles Sander, J. B. Shurtleff, Jr., William Nicholson, Arthur F. Barney and Wm. P. Rich.



THE BOSKOOP SHOW

Rhododendrons, Lilacs and Azaleas.

ROSE MELODY.

Your correspondent, in the course of an interview recently with E. J. Fancourt, of the S. S. Pennock-Meehan Co., received an interesting report from him on the behavior of the new yellow rose "Melody."

"You may state," he said, "to the readers of *HORTICULTURE*, that when we introduced Melody the early part of the season, we referred to same as being a winter bloomer and we now wish to state for the benefit of those who have purchased stock of this variety, that much to our surprise it has proven to be an excellent warm weather rose and all during the extremely hot spell we have had for the last two or three weeks and up to the present time, we have had an immense cut and the stock has been fine and the color has held up well.

"In fact, Melody today will average a better quality of flower for this late season than any other variety we are getting in (we refer to such varieties as the two Killarneys, My Maryland, Richmond, etc.). We might also add that we have found a big demand for the flowers of Melody during May and right up to the present time."

This will be pleasing news to all those who have been enterprising enough to invest in this new rose.

PHILOSOPHY, REAL AND SPURIOUS.

Editor *HORTICULTURE*:

The criticism by Geo. F. Stewart of a passage in the articles on "Mendel's Law," lately published in *HORTICULTURE*, is to the point and the translator of the articles is willing to shoulder the blame for not having given in the translation the true meaning of the author's sentence.

The author of the article on Mendel's Law really means to say, "excluding philosophizing and preconceived opinions," and does so express himself in his work, meaning that any superficial and light sort of philosophy, the kind which many people take for the true article, not knowing any better, is to be excluded in the search for further knowledge.

The whole of Mendel's Law is based upon true philosophical data and only because all these do harmonize with every other science, has Mendel's discovery been acknowledged as a law by philosophers.

Mr. Stewart's point is well taken and I trust he will see now that the error lies wholly with the translator in not giving the proper definition to the author's sentence. There is certainly a great difference between philosophy proper and "philosophizing," as is sometimes done in a hurry and often by people who could not define the meaning of philosophy if they tried. Against such does the author send out his warning.

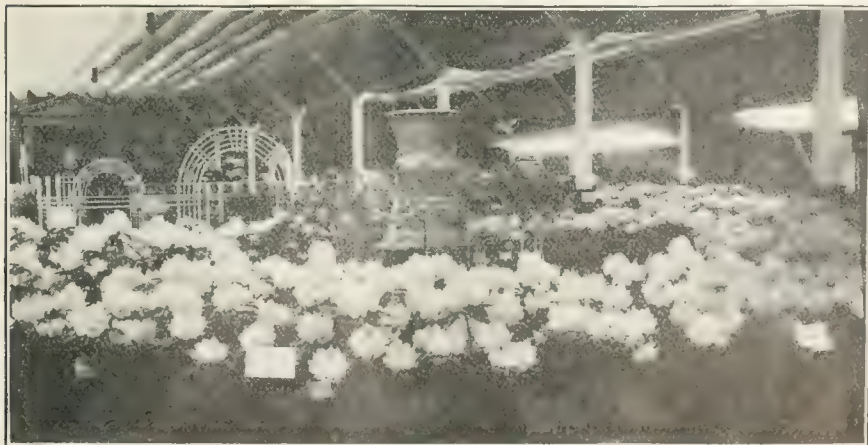
I trust that the above explanation will meet with Mr. Stewart's approval and thank him for having noted the error.

GUSTAVE THOMMEN.

Billerica, Mass.

THE SHAW BANQUET.

The twenty-second annual banquet to gardeners, florists and nurserymen, provided for in the will of Henry Shaw, will be given at the Southern Hotel, St. Louis, on June 15th, at 7 p. m. *HORTICULTURE* acknowledges with due appreciation the kind invitation of Professor Trelease to be present on that occasion.



THE BOSKOOP SHOW

Rhododendrons Pink Pearl and White Pearl.

CLUBS AND SOCIETIES

AMERICAN PEONY SOCIETY'S SHOW.

As we go to press the peony show of the year, that of the American Peony Society, opens in Philadelphia. We shall have a full account of the prize winners, and other features, in our next issue. On the 6th, two days before the opening, our Philadelphia correspondent reported the following entries, which would indicate that a splendid exhibition of this glorious "once a year" flower has taken place, the best fiftys and the best twelves having the largest list of entries, while the other classes all had good representation. Classes 1 to 5 are commercial; 6 to 18, amateur. The Pennsylvania Horticultural Society classes, although numbered 1 to 8, are not the same as the American Peony Society's 1 to 8. C. A. Reeves, of Cleveland, occupied 300 square feet of space with a general collection not for competition, comprising some 1300 blooms. Thomas Meehan & Sons, and The Cottage Gardens Co., both exhibited in the competitive class (No. 1) for the largest and best collection of named varieties, one bloom of each, for the American Peony Society's premier prize, and no doubt there were others before the entry list was closed.

Thomas Meehan & Sons, Gtn., classes 3-4.
Cottage Gardens Co., Queens, N. Y., 1-2 3 5.
E. B. Van Vorst, Hackensack, N. J., A. Anderson, gard., 7-13.
Prof. A. P. Saunders, Dept. of Chemistry, Hamilton College, Clinton, N. Y., 6 to 18; also P. H. S. classes 3-5 6-7-8.
Mrs. F. S. Kellogg, New York Mills, N. Y. (same as Saunders).
C. A. Reeves, 2-3-4-5.
Lakeview Nurseries, Cleveland, O., 15-16, and 300 ft. space not for competition; 1300 blooms, a general collection, not for competition.
S. G. Harris, Tarrytown, N. Y., 2-3-4-5-14-15-16 and P. H. S. 1-2-5-6-7.
Geo. H. Peterson, Fairlawn, N. J., 2-4-5-15-16 and P. H. S. 3-5-6-7-8.
Andorra Nurseries, Chestnut Hill, Phila., 1-2-3-4-5-16.

The foregoing entries were sent direct to David Rust, secretary of P. H. S., Philadelphia. Mr. Fewkes at this writing (June 6th) has not sent in his list of entries, but it looks as if it was going to be "some show."

Thomas Meehan & Sons offer a prize for the best painting of peonies. Fifty entries have already been made for this. These paintings will be exhibited and judged at the peony show.

AMERICAN SEED TRADE ASSOCIATION.

The program for the annual convention of the American Seed Trade Association has been completed and copies of the program will be sent out to all members of the association by the secretary within a few days.

There are three entirely new features on the program this year, which should prove of much benefit to all members in attendance.

Telegraphic crop reports which will be received from most of the growers in the U. S. and also some from Can-

ada, giving the very latest crop conditions up to Tuesday, June 20th.

Question box, to provide for general discussion and to obtain information on any subject that is of particular interest to any member of the association.

Questions may be mailed or handed either to the president or secretary of the association.

State correspondents. Each state correspondent is asked to make a verbal report if he is present, otherwise a written report, of all legislative matters that have come up in the past year within their state or states.

The social features of the program have not been forgotten and arrangements have been made to enjoy as much as possible of this delightful summer resort, as will permit outside of the regular sessions of the association.

The annual banquet will be given on Wednesday evening, June 21st, and arrangements have been made with the hotel, that there will be no extra charge for this banquet to the seedsmen that are guests of the hotel.

The American Seed Trade Association has not held its annual convention in the State of Massachusetts but once since its organization. Inasmuch as the Massachusetts seedsmen have always taken an active and prominent part in the association, it seems very fitting that the association should appoint their meeting place in this State again this year.

Mr. E. L. Page, president of the American Seed Trade Association, informs us that he has heard from many of the growers in the U. S. signifying their willingness to send in telegrams (night letter) giving the latest crop conditions in their section up to June 20th.

YONKERS HORTICULTURAL SOCIETY.

At the regular meeting, June 2, the executive committee made a most satisfactory report with regard to the coming show, all prize money being already assured.

H. Nichols, superintendent for H. Trevor, exhibited a fine collection of sweet peas in twenty varieties and received a cultural commendation. A similar award went to L. Milliot for some fine gloxinias. The next meeting, July 7, will be of a social character. P. Macdonald, T. Mahoney and J. Hoffman were appointed a committee to make arrangements.

H. M. B.

UNION CLUB MEETING AT MILWAUKEE.

Over forty members of the Chicago Florists' Club accepted the hospitality of the Milwaukee Florists' Club on June 1st, reaching that city at 8.30 P. M. via the Chicago-Milwaukee electric. The meeting was turned over to the Chicago boys, President Philpott presiding. A paper on roses was read by Mr. Keimel of Elmhurst, Ill. An elaborate Dutch supper was served and the club left for home feeling that they had been royally entertained. A return visit has already been decided upon, the date not yet announced.

FLORISTS' CLUB OF PHILADELPHIA.

The regular monthly meeting of the above club was held on the 6th inst. This meeting was unique in the club's history in having as its essayist of the evening their only lady member, Mrs. Sarah I. Smith, of Secane, Pa. Her subject, "Violets and Carnations From a Woman's Point of View," was ably handled, and a most frank and charming document. Mrs. Smith was present, but did not have courage enough to take the platform, so the good knight, Sir Otto Thilow, occupied the forum in her stead. The essay committee reported that at the July meeting they would have as the feature of the evening Paul Huebner on, "Railroad Gardening." Mr. Huebner is the superintendent of the landscape department of the Reading Railroad system, and is recognized as one of the ablest in his line of business in the country. Election of new members, reports of committees, and other routine, took up the balance of the meeting.

S. A. F. CONVENTION REMINDER.

Chairman Vincent of the local committee is sending out as a "Convention Reminder," the following interesting statistics of Baltimore, the convention city. We take pleasure in presenting, on the opposite page, a diagram of the Armory floor where the exhibition will be staged and the meetings held. It is said to be the finest and most convenient hall ever placed at the disposal of the Society for its annual convention.

Some Interesting Facts About Baltimore.

The first steam railroad in the world—the B. & O., 1828.
First monument to the memory of George Washington.
The first two cruisers of the present navy.
The first silk ribbon mill in America.
The first submarine boat—built by Ross Winans.
The first College of Dental Surgery.
The first iron building—the old "Sun" building.
The first telegraph line—between Baltimore and Washington.
The first telegraphic dispatch, worded: "What God has wrought."
The first metal pens used in America.
The first Medical Society in the United States—organized 1788.
The first Gas Light Company in America.
The first Water Company in America.
The first electric railway—Baltimore to Hampden.
The first Lodge of Odd Fellows—1819.
The oldest shot tower in the United States—still standing.
Baltimore packs more oysters and vegetables than any other city in the world.
Baltimore is the largest manufacturer of straw goods and fertilizers in the United States.
Baltimore has the finest natural forest park in the United States in Druid Hill.
Baltimore built the largest dry dock in the world "The Dewey" now in Manila.
The best hall in America for the purpose of holding exhibitions—60,000 square feet of unobstructed floor space.
The first monument to Christopher Columbus.
The leading clothing manufacturer in the United States.
The Star Spangled Banner was written in Baltimore by Francis Scott Key.
Baltimore has the finest oysters in the world, fresh every day from the Chesapeake Bay.
Baltimore has one of the finest trolley systems in the world, including a line between Baltimore and Washington.

Fifth Regiment Armory, Baltimore, Md.

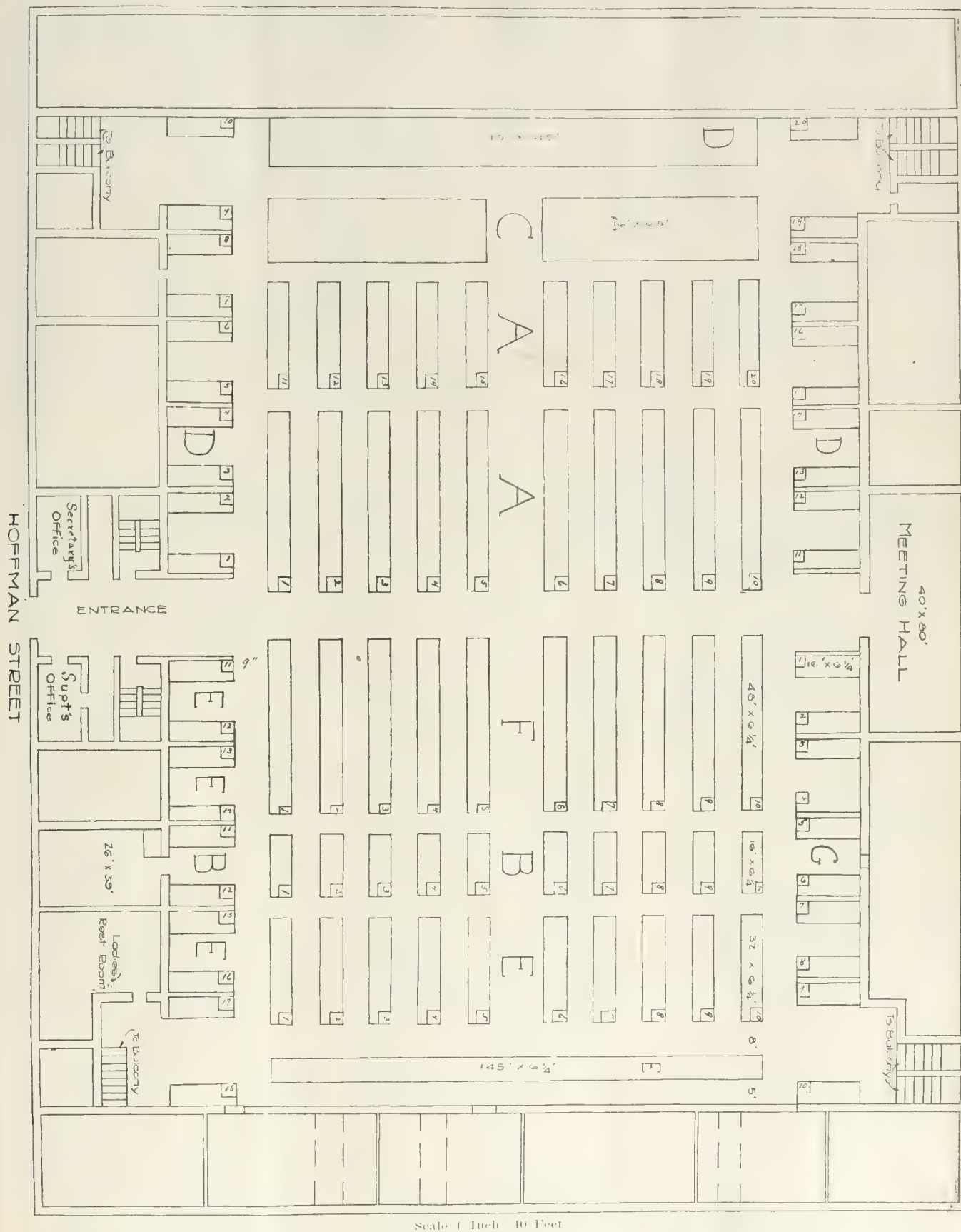


DIAGRAM OF FLOOR PLAN FOR S. A. F. CONVENTION AND EXHIBITION, AUGUST 15-18, 1911.

READY FOR SHIPMENT

BAY TREES, in all sizes, in best varieties
BOX TREES, large assortment, in all sizes and forms
BEGONIA LORRAINE, from 2½-inch pots, twice shifted, leaf cuttings, finest obtainable
CYCLAMEN, from 2-inch, 3-inch and 4-inch pots, finest strain
KENTIAS, largest and finest stock at reasonable prices

SPECIAL PRICE LIST FOR THE ASKING

JULIUS ROEHRS CO., Rutherford, N.J.

NATIONAL SWEET PEA SOCIETY OF AMERICA.

The following additional prizes have been added to the schedule for the exhibition to be held in Philadelphia at the end of this month. The prize list now amounts to nearly \$600 in cash and cups.

Class 36—Table Decoration of Sweet Peas, 1st \$15.00 2nd \$10.00

Class 37—Basket of Sweet Peas, 1st \$10.00, 2nd \$5.00.

Class 38—Bride's Bouquet of Sweet Peas, 1st \$10.00, 2nd \$5.00.

Class 39—The Stumpp & Walter Co.'s prizes for three vases of Aurora Spencer, Countess Spencer, and King Edward Spencer, 1st prize \$5.00, 2nd \$3.00, 3rd \$2.00.

Class 40—The John Lewis Childs prizes for vase of mixed Sweet Peas not more than 100 sprays (amateurs only), 1st prize \$5.00, 2nd \$3.00, 3rd \$2.00.

Class 41—The Alpine Mfg. Co.'s prize for the best six vases, 50 blooms each, Sweet Peas, open to florists only, \$10.00.

Class 42—The Sutton & Sons prize (Reading, Eng.), Cup, value \$25.00, for the best table of Sweet Peas to be arranged on a space four by three feet and not to exceed three feet in height (amateurs and gardeners only).

Class 43—Watkins & Simpson's prize for the best six vases Spencer or Unwin Sweet Peas, \$10.00.

Class 44—The C. C. Morse & Co.'s prize, a silver cup, value \$25.00, for the finest collection of Sweet Peas (open to the trade only).

For further particulars write to
HARRY A. BUNYARD, Sec.,
 342 W. 14th St., New York City.

FLORISTS' CLUB OF WASHINGTON.

Wm. R. Smith, superintendent of the Botanic Garden, addressed the Washington Club on the evening of June 6, on the beautification of the Capital. He said it was the most beautiful of the world's cities, and he referred at some length to its beauti-

ful trees and the great variety of them.

The members of the club have reported that great annoyance is caused by the neglect of persons who receive gifts of flowers to make acknowledgment of them. The club appeals to the public to acknowledge such gifts and to the "June bride" especially, according to the Washington Herald the club says:

"If you receive flowers on your wedding day from admiring friends, acknowledge the fact—don't keep the admiring friends in any doubt as to whether they were delivered or not. If you don't you may get the innocent florist into a peck of trouble."

The club does not confine this advice to brides, however. It applies to funerals as well as to weddings. Unfounded complaints have been received so frequently of late that the club appointed a committee to see what could be done, as it had become evident that some action was necessary.

The club decided to hold its annual outing on July 26, at Chesapeake Beach, when the members will indulge in a basket picnic. Committees are making the necessary arrangements.

Indorsement was given to the proposed Sunday closing law, which is under consideration by Congress, to apply to the District of Columbia.

Resolutions on the death of the late Edward A. Moseley, a member of the club, were adopted. Mr. Moseley was secretary of the Interstate Commerce Commission, but he was also an enthusiastic amateur florist.

Plans for participation in the Na-

tional Convention at Baltimore, during the third week in August, were discussed. The club contemplates chartering special cars and attending in a body.

F. J. DYER.

CLUB AND SOCIETY NOTES.

J. K. M. L. Farquhar of Boston lectured before the New Bedford Horticultural Society on the evening of June 5, on "Rose Culture."

In honor of the American Association of Park Superintendents, which will hold its annual meeting in Kansas City in August, a reproduction of the organization's seal in a flower bed is to be made in the middle parking just outside the entrance to Swope Park. The bed will be round, about forty feet in diameter and will reproduce a large live oak. It is planned to photograph the members at the park gateway.

An injunction to prevent aeroplanes from flying over their greenhouses in Waltham and Waverley is to be brought by E. Allan and Herbert Peirce against the coming aero meet that starts June 15, on the Metz grounds.

Whether or not a property owner can prevent flying machines from soaring over his land is something that has never before been broached. Attorney W. J. Bannon, of Waltham, who has been retained by the Peirce Brothers denies that they have any intention of preventing the aero meet from starting, but that the gardeners and florists wish to protect their property from any possible accident.

Boddington's Bulb Bloom.

Save Money on Your Fall Bulbs—by Ordering NOW

Our Quality Bulbs are famous for results

Mr. Florist:—You can save money on the bulbs you expect to grow this Fall, if you order them now, instead of two or three months later.

We have bought heavily of the best bulbs procurable in Bermuda, Japan, Holland and French markets, and will, until July 1st, offer special inducements to encourage our customers to place their orders earlier than usual.

Send us a list showing the bulbs you wish to grow this Fall—Lilies, Tulips, Narcissi, Hyacinths, etc.—and we will make a special and confidential quotation on your order. Our regular Fall Catalogue will be ready in July, but the prices we will make you now will be at a large reduction, for the reasons stated above.

Write for "CONFIDENTIAL QUOTATION"—and write to-day. This offer is good only until July 1st, 1911.

Arthur T. Boddington
Seedsmen
342 W 14th St
New York City, N.Y.

BRITISH HORTICULTURE.

The Temple Flower Show.

In brilliant weather and under the most favorable auspices, the great show of the Royal Horticultural Society was opened in the historic Temple Gardens in London, on May 23rd. The grounds were crowded with a fashionable assembly, for the presence of the King and Queen gave an added social importance to the event. The best samples of the florist's art were to be seen, whilst the groups of flowering shrubs and trees in the grounds, and the rock gardens, afforded interesting objects for countless admirers. As usual the orchids made a magnificent display, such noted orchidists as Messrs. Charlesworth & Co., J. Cypher & Sons, J. & A. McBean, Sander & Son, E. V. Low and others, contributing their finest treasures. Most of the leading British rosarians were represented and there were one or two notable novelties in this section. W. Paul & Son, of Waltham Cross, received an award of merit for a new H. T., Portia, a shapely bloom, of flesh color and very fragrant. They also received an award for Sylvia, a white-flowered hybrid Wichuraiana. There was a splendid array of the Rambler type, whose popularity appears to be steadily on the increase amongst rose lovers. The whole display was one of the finest collections of roses which has ever been brought together in London.

Amongst the hardy shrubs an object of attention was Davidia involucreata, which Messrs. Veitch & Sons have introduced from China. A first class certificate was awarded. As custom-

ary, J. Waterer & Sons, of Bagshot, Surrey, were to the fore in the rhododendron section. They received a special award for Corona, of a fascinating shade of pink, and a valuable addition to their admirable assortment of these subjects. Other rhododendrons receiving awards were: Loder's White, of the R. indica type (shown by G. Reuthe, of Keston, Kent); R. Glory of Littleworth, orange and pale primrose, and R. Littleworth Corallina, soft flesh pink, both shown by Miss Mangles, of Seale, Surrey. R. and G. Cuthbert, of Southgate, Middlesex, received an award of merit for pink azalea Duchess of Portland; a superb cross between the sinensis and mollis varieties. Carnations formed an attractive feature, the best American and British kinds being well represented. W. Wells & Co., Ltd., of Merstham, Surrey, made a good display with White House, Pink Delight, and other well known varieties. C. H. Herbert, of Acocks Green, Birmingham, showed Progress, a new rose-carmine. Cutbush & Sons, of Highgate Nurseries, London, N., had a particularly fine collection.

Jottings.

The carnation, Lady Hermione, has been selected for the bouquet to be offered to the Queen on Coronation day by the Gardeners' Co. This was raised by the late Martin Ridley Smith, President of the National Carnation Society; it is the offspring of Crusader, crossed with the pollen of the old blush Malmaison, and is of a salmon pink tint, with sweet fragrance.—A very satisfactory report was presented at the annual meeting of the British

Gardeners' Ass'n., held in London, during the Temple show week.—Messrs. Barr & Sons are shortly removing their nursery from Surbiton to Taplow in Bucks. Their gorgeous displays of tulips in the blooming season have been a familiar object to travelers on the London and South-western railway line.—At the annual festival banquet of the Gardeners' Royal Benevolent Institution, held in London on May 23rd, the sum of £2400 was collected.

W. H. ADSETT.

PERSONAL.

Frederick Stewart has taken a position with H. W. Field, Northampton, Mass.

Julius Roehrs, Sr., has returned from his European trip looking the picture of perfect health.

Howard R. Morgan has resumed his former position at Miss Bell Miller's greenhouses, Springfield, Ill. For the past four years he has been with J. F. Wilcox of Council Bluffs, Ia.

Harry Turner has accepted the position of superintendent of the Untermyer estate at Greystone, N. Y. He is succeeded at Castle Gould by Mr. Virt, who was his assistant while there.

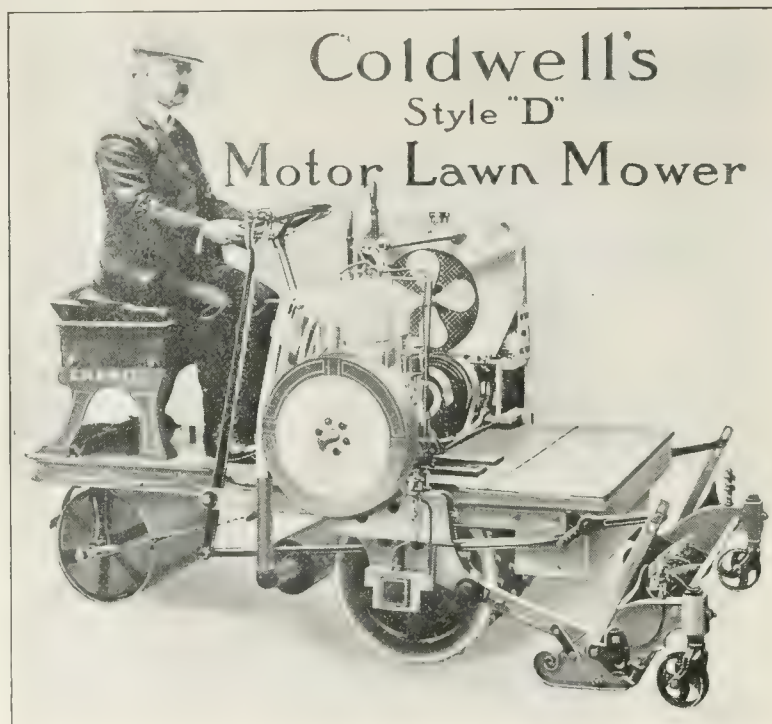
Visitors in New York: P. M. Koster, Boskoop, Holland, and W. J. Ebbinge & Van Groos, Boskoop; W. J. Eldering, Haarlem. Mr. Koster will sail for home on the Rotterdam, June 27. Thomas Gould, Jr., and wife, Ventura, Cal., on their honeymoon.

Coldwell Lawn Mowers

Hand, Horse and Motor

Coldwell's Motor Lawn Mowers

Will do the work of three horse
lawn mowers — and do it better



¶ They will mow up 20 per cent grades. ¶ They leave no hoof prints as horses do.
¶ They will roll the lawn smoothly. ¶ They do away with the expense of two
men and three horses. ¶ They are of no expense when not in use. ¶ They
are simple to operate and economical. ¶ They are a necessity on every large lawn

Catalogue sent on request

Manufactured by

Coldwell Lawn Mower Company

Newburgh, N. Y.



NEPHROLEPIS BOSTONIENSIS

(BOSTON FERN)

Our stock of this fern is the best we ever had and we believe that a trial order will convince you it is the best true stock on the market. 2 1-2 in., \$3.00 per 100; \$30.00 per 1000.

Henry H. Barrows & Son
Whitman, Mass.

CANNAS---In 30 Varieties

From 3½-inch pots, strong plants, \$6.00 and \$8.00 per 100.

CHRYSANTHEMUMS

Golden Eagle, Gloria, G. W. Childs, Linwood Hall, Miss May Hankey, Miss May Seddon, Merstham Yellow, Old Gold, Oct. Frost, Patty, Virginia Poehlmann, Vivian Morel.

From 2½-inch pots, 60c. per dozen; \$4.00 per hundred.

GENERAL COLLECTION.

Col. D. Appleton, Golden Dome, Mrs. Clay Frick, Mille, Jeanne Rosette, Nagoya, Pacific Supreme, The Harriott, White Shaw, Yellow Eaton.

Rooted Cuttings, 30c. per dozen; \$2.00 per 100. From 2½ inch pots, \$3.00 per 100.

A. J. Balfour, Autumn Glory, Ada

Spaulding, Cullingfordii, Early Snow, Golden Glow, Geo. Kalb, Glory Pacific, Harry May, H. W. Reiman, Ivory, Jennie Nonin, J. E. Lager, J. H. Troy, J. K. Shaw, Maud Dean, Meta, Monrovia, Money-maker, Mrs. Jerome Jones, Miss Minnie Wanamaker, Miss Alice Byron, Mrs. Baer, Mrs. Robt. McArthur, Major Bonnaffon, Mad. Ferd Bergeman, Polly Rose, Pink Ivory, Riverside, Robt. Halliday, Soleile D'October, Timothy Eaton, W. H. Lincoln, White Bonnaffon, William Duckham.

Rooted Cuttings, 30c. per dozen; \$2.00 per 100; \$15.00 per 1000. From 2½-inch pots, 50c. per dozen; \$3.00 per 100; \$25.00 per 1000.

ROSES . . . Own Root—Fine Stock

White Killarney } Per 100
Richmond } from 3 in pots . . \$8.00

Pink Killarney, Chatenay, Kaisarin, Perles, Sunrise, Sunset, from 3 inch pots . . \$8.00

Bride, Bridesmaid, Golden Gate, \$65.00 per 1,000, \$7.00

GRAFTED

Fine Stock, 3 inch pots

Pink Killarney, White Killarney, Bride, Bridesmaid, Kaisarin, My Maryland.

\$18.00 per 100

WOOD BROS. . . Fishkill, N. Y.

Hyacinths for Christmas

Dutch Stock cultivated for one season in the South of Europe. Bulbs ripen a few months earlier than in Holland. Have proven to be sure bloomers for Christmas. Also TULIPS and NARCISSI.

Write for particulars and prices.

LOECHNER & CO., 11 Warren Street, New York

The man who knows everything has not been born; but the man who thinks he does is born at the rate of a dozen a minute. As he grows older, however, he realizes how little he knows or rather sees how much he don't know. The bull-headed kind are ashamed to admit it, but the real wise man you will always find seeking knowledge, asking questions, and reasoning out things continually.

The reason why Horseshoe Brand Bulbs are superior to most brands is principally because a shrewd Japanese grower and exporter reasoned carefully years ago, and rightly came to the conclusion that it paid to throw away defective plants in the lily fields rather than to allow them to be marketed as his product. Moreover he reasoned further and concluded that it was policy to spend more money for fertilizer and labor in cultivating the bulbs to avoid being obliged to stand a loss for crippled plants, until at the present time, his crops are perhaps the finest in the world. There are no better bulbs produced that we know of, and they are offered to you as reasonable as we can afford to sell them. Just try the Horseshoe Brand next fall. Cold Storage bulbs ready for future or immediate shipment.

Write us.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

Seed Trade

The Drought Broken.

The protracted drought which has extended over almost the entire Atlantic seaboard and as far west as Pennsylvania, has been effectively broken, copious rains having fallen over the territory within the past week. While this rain comes too late to be of service to peas in the south, and many early vegetables, it will be of great benefit at all points from New Jersey, north, and as far west as New York and Pennsylvania. In the two latter states but few crops have advanced to a point where they will not be greatly benefited by the rains.

Truckers in Jersey and Long Island have earnestly hoped for rain for weeks and it is now believed that enough has fallen to carry them along for some considerable time, while the indications are that there may be a swing to the other extreme, and they may get more moisture than they require.

The Pea Crop.

Peas, which are a matter of great interest to the seed trade, and especially growers, are in very satisfactory condition, and barring a repetition of last year's intense heat and drought just as peas were coming into bloom, there should be a fair average crop. Reports from all the large packers of the country are encouraging. This includes Michigan, New York, Wisconsin and Indiana. Ohio may now also be included in this class. For a time it was thought that peas in Indiana and Ohio had suffered from the lack of moisture, but the crop in these states has not developed to a point where it is too late for them to derive full benefit from the recent rains.

About Onions.

There are reports from the onion-growing sections in New Jersey, Pennsylvania, New York and Ohio, that the cutworm is busy and injuring the onion crop. It is rather early to say with any confidence what damage has been done, but beyond doubt it is considerable, as some reports state that the farmers were plowing up their onion lands and planting other crops. It will doubtless be some weeks before the extent of the damage is fully known.

For Rochester in 1912.

In last week's issue we mentioned the fact that the Canners' Convention of 1912 was to be held in Rochester, subject to certain demands which they would make on that city. We are informed that all of these demands have been conceded and it is therefore now settled that Rochester will have the convention of 1912. This city is building a very large convention hall which will give a larger floor space than even the great Auditorium at Milwaukee. The distance from the principal hotels to Convention Hall is not great and it can be reached in from 10 to 15 minutes by car. The site of the Convention Hall we are informed, is the old Industrial Home, which was located almost in the heart of the city and was an eye-sore to the residents. Many of the old buildings will be razed and others reconstructed, so that when the convention meets there in February of next year they will have one of the best lighted and largest halls they have ever exhibited in;

PERENNIAL FLOWERS

Every florist should have a fairly representable collection of "Perennial Flowers" in his establishment be it either for the purpose of growing them for cut-flowers or plant trade. Many of the best varieties are readily grown from seed but in order to have them fairly large in the spring they should be sown in June.

We offer a very complete collection in our "Wholesale Seed Catalogue." Write for it to-day

HENRY F. MICHELL CO., 578 Market St., Phila.

in fact it is not too much to say that it will be the largest.

Rochester is a very wide-awake, up-to-date town. No city of its size in the United States has as ample and good hotel accommodations, and now that they are going to have a convention hall of the dimensions referred to, they hope to get not only a large number of industrial conventions, but many of a political character.

Counter Trade.

Trade holds on, as was expected, very late this year, and in most of the retail stores counter trade is still active. This is especially true in New England and in most of the leading seed centers, with possibly the exception of New York City and the south, where trade is pretty well over for this year. So far as the volume of business done is concerned, it is generally accepted that it will fall somewhat below last season. Reports, generally, state that the mail order houses have not done as large a business as a year ago and at the final wind-up it will doubtless be found true of those depending largely on counter trade.

Pennsylvania Seed Bill.

We are advised by Senator Heacock that the Pennsylvania Seed Bill is dead. As reported in a recent issue of HORTICULTURE this bill was up to the governor. From the above it would appear that the governor has refused to give it his sanction. We are proud to be able to send this good news to the trade, and are gratified that the great State of Pennsylvania cannot be quoted as joining in the widespread insanity for oppressive legislation aimed to harass an innocent and, at best, a difficult and poorly paid business. Burpee, Holmes, Maule and the rest of them have not worked in vain after all.

Notes.

Reports from Holland are that the weather has been most favorable for the development of bulbs and that all bulbs from that country, particularly the hyacinths, will be remarkably fine this year.

The A. W. Schisler Grain Co., at 810 N. 4th street, St. Louis, will move this week to much larger quarters one block south, 708 and 710 N. 4th street. Mr. Schisler was formerly with the Schisler-Corneli Seed Co.

A. T. Boddington states that he has had two crop reports from C. C. Morse & Co., both very pessimistic and the last worse than the first, on the condition of the sweet pea crop which is said to be the poorest in years. Fortunately, Boddington has a hold-over stock of excellent quality.

Howard M. Earl of Burpee's left Philadelphia on the 4th inst. on his annual crop inspection tour to the Pacific Coast. He expects to arrive home again in time for the sweet pea "fest," which opens in Philadelphia June 23rd. "The Chief," as W. Atlee Burpee is affectionately known among his cohorts, is president of the Sweet Pea Society this year. So all the Chief's lieutenants have to be on deck to grace the occasion.

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.
BET, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Golden Self-Blanching Celery

White Plume, Giant Pascal transplanted plants, \$2.75 per thousand. Untransplanted plants, \$1.50 per thousand.

FOX HALL FARM
NORFOLK, VA.

Headquarters for

SPRING BULBS

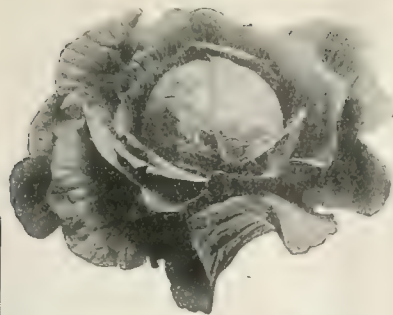
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John Lewis Childs
Flowerfield - LONG ISLAND, N.Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.



"Copenhagen Market." Galvano free.

Our Splendid 1910 Novelty "COPENHAGEN MARKET"

Earliest, large headed and equal maturing Cabbage in existence. Not obtainable by any other Danish grower

Contract Now for 1911 Crop

CAULIFLOWER and CABBAGE SEED.

Largest acreages and finest stocks in Denmark.

HJALMAR HARTMANN & CO., Copenhagen, Denmark

Seed Growers for the Wholesale Trade only

First Danish firm who called personally on the U. S. A. and Canadian seed trade



BEGONIAS GLOXINIAS

in separate colors

Asters in all varieties and in separate colors

If you do not have our Catalogue send us a postal.

FOTTLER FISKE RAWSON CO.

Faneuil Hall Sq., also 26 So. Market St. - - BOSTON

**TURNIP SEED
BEANS**

For immediate delivery

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale

SEED GROWERS AND DEALERS

SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsmen

ROCHESTER N. Y.

**BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.**

Props.

37 East 19th St., - NEW YORK CITY

SEEDS BULBS

For Immediate Planting

Finest Florist Strains

"BUDS"

C. R. CLOECKNER, Pres.
76 Barclay Street, New York

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct 27, 1910, writes as follows: - I want to state that your three grades of Poultry Food: Chick Starter, Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.

BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Import Bulb List

Well Worth Reading

SEND FOR A COPY

The W. W. Barnard Co.

108-110 W. Kinzie St., CHICAGO

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

*Thorburn's
Seeds*

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street

NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING

Stocks, Asters, Chinese Primulae, etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

TO BUYERS

Patronize our advertisers. they will treat you right

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

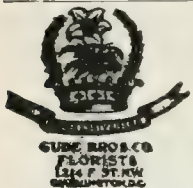
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Kansas City, Mo.

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All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

A FLOWER MARKETING LITIGATION.

William C. Walter, a florist who has a store at Fifteenth and Cheyenne streets, has no right to sell his own flowers to himself, according to the contention of the Denver Wholesale Florist Company.

The company filed suit in the district court recently, naming Walter and Attorney Ernest Morris as defendants.

The complaint sets forth that June 30, 1909, seven florists of the city organized the Denver Wholesale Florist Company, agreeing to sell cut flowers raised in their greenhouses only to the company. In the agreement were Walter, Emil Glauber, J. V. Benson, L. C. Waterbury, Fred Hall, Ben Boldt

STEAMER DEPARTURES

American.

Philad'lphia, N. Y.-S'h'mpt'n. June 10
St. Louis, N. Y.-S'h'mpt'n. June 17

Anchor.

California, N. Y.-Glasgow. June 10
Columbia, N. Y.-Glasgow. June 17

Atlantic Transport.

Minneapolis, N. Y.-London. June 10
Minnetonka, N. Y.-London. June 17

Cunard.

Mauretania, N. Y.-Liverpool. June 14
Carpathia, N. Y.-Medit'r'n. June 15
Carmania, N. Y.-Liverpool. June 17

Hamburg-American.

Pres. Grant, N. Y.-Hamburg. June 10
Cincinnati, N. Y.-Hamburg. June 17

Holland.

N. Amst'rd'm, N. Y.-R't'rd'm. June 13
Noordam, N. Y.-Rotterdam. June 20

Leyland.

Bohemian, Boston-Liverpool. June 10
Devonian, Boston-Liverpool. June 17

North German Lloyd.

K'nig Albert, N. Y.-Medit'r'n. June 10
K. Wilhelm II, N. Y.-Brem'n. June 13
K. Kurfuerst, N. Y.-Brem'n. June 15
K'nigin Luise, N. Y.-Medit'r'n. June 17
K's'r W. der G., N. Y.-Brem'n. June 20

Red Star.

Finland, N. Y.-Antwerp. June 10
Lapland, N. Y.-Antwerp. June 17

White Star.

Celtic, N. Y.-Liverpool. June 10
Romanic, Boston-Medit'r'n. June 10
Teutonic, N. Y.-S'h'mpt'n. June 14
Baltic, N. Y.-Liverpool. June 17
Zeeland, Boston-Liverpool. June 20

and C. F. Maler. Each took 1000 shares of stock in the company, paying \$1 par value for each share. They agreed not to assign any of the stock for a period of three years. To hold them to this agreement, the stock of the company was placed in the keeping of Morris, as trustee.

It is alleged in the complaint that Walter April 1 opened a retail store and has violated the agreement by selling his cut flowers to this store run by himself instead of selling them only to the Denver Wholesale Floral Company. It is set forth that, according to the agreement entered into by the stockholders, any one who violated its terms would forfeit his stock.

Morris, it is alleged, refuses to turn over Walter's 1000 shares of stock to the company, asserting that the company should first protect him with an indemnifying bond.

The court is asked to decree Walter's stock in the company forfeited

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The
FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ.
550 South Fourth Ave.

THE Florists' Supply House of America

— New Goods for —
Graduations and June Weddings.

**H. BAYERSDORFER & CO., 1129 ARCH STREET
PHILADELPHIA, PA.**

to the common treasury and to order Morris to turn it over.

Walter asserts that the company agreed to sell him his own flowers. When protest was made because he opened a retail store, he says he told his associates that he would buy his own flowers from the company and pay it 15 per cent. commission, the same as any other retail dealer would. He says this plan was agreed to.

Stockholders of the company declare that it isn't in any sense a trust and that they organized it merely for the purpose of mutual profit and protection. *Denver Republican.*

NEW FLOWER STORES.

Providence, R. I.—J. F. Wood, Westminster street.

Auburn, N. Y.—Peter Connors, Clark street, near State.

Scranton, Pa.—Miss Annie Griffith, 129 North Main Ave.

Established 1874.

JOHN V. PHILLIPS FLORIST

217 Fulton St., BROOKLYN, N. Y.

W. A. PHILLIPS, Manager.

TELEPHONE, 319 MAIN

All orders by mail, telegraph, etc., will receive careful attention and prompt delivery.



Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

CHICAGO NOTES.

Trade Notes.

The floral auto parade June 3rd could not be counted as an important event from the florists' standpoint. Several beautiful autos were seen but the decorations were almost without exception done with artificial flowers.

Chas. Erne has deferred the opening of a retail store till later in the summer and will remain till that time with the E. H. Hunt Co. as before. This firm reports a good spring trade and will soon begin to put the store through its annual cleaning process.

The Chicago Growers' Exchange was of short duration, the growers selling their stock under its auspices on the 7½ per cent. basis being notified June 5th to make their sale tickets in their own names as previously. The Exchange was organized two weeks ago by E. E. Pieser and Henry Van Gelder in the old Flower Growers' Market.

Memorial Day quickly used up a large amount of bedding stock. Plants that were in bloom and those showing color, of course, had preference. The extreme hot weather made the demand more centered on that one week than possibly ever before, and the delivery of the stock was no small item, every available conveyance being pressed into service night and day.

The only geranium in short supply was Poitevine. There were enough late plants of all other varieties to fill the after-Memorial orders for lawns, window boxes, etc., and these are now about taken care of. The trade is getting more and more to be confined to the outlying districts, especially in the vicinity of the cemeteries, and the downtown florists had little part in it with either plants or flowers.

The final steps were taken June 5th to perfect the organization incorporated under the name of the Chicago Flower Growers' Association with a membership of over fifty growers. The meeting was held in the parlors of the Palmer House and John Kidwell was elected president, Wm. Merrett vice-president, Geo. B. Weiland secretary, and Anton Then treasurer. These and various business and two growers from Niles Center, Ill., will constitute a board of managers and will meet on the 8th to discuss time and place for opening. The business is to be in the hands of a manager who is not yet secured.

Robbers stole some money and valuable papers from the store of A. S. Kidwell, florist, 929 East Forty-Third

street, June 2. The cracksmen opened the safe by knocking off the knob of its combination and then using dynamite. The robbery was discovered when Kidwell opened the store.

Personal.

H. W. Rogers, with Weiland & Risch, will spend two weeks at his old home on Spring Lake, Mich., and other northern points.—Ernest Farley is now with the J. B. Deamud Co.—E. Wienhoeber is serving on the grand jury this week.—Nic. Miller still is off duty nursing his shoulder, which was hurt in a fall two weeks ago.

Visitors.—H. G. Pauli, Davenport, Ia.; A. L. Glaser, Dubuque, Ia.; F. Rentschel of the Capital City Greenhouses, Madison, Wis.; Frank Bentley of Crabb & Hunter, Grand Rapids, Mich.; Wm. Dittman, New Castle, Ind.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—John V. Phillips, 217 Fulton St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

Thomas F. Galvin, Inc., has leased the entire building at 1 Park St., Boston, in which the flower store of Julius Zinn is located, for a term of 15 years. Mr. Galvin will not occupy it, however, until his lease of the present store on Tremont street has expired. The move is in line with extensive plans for developing the Galvin business.

DESIRABLE STOCK FOR

Weddings and Commencements

Valley, per 100 - - \$3.00 to 4.00
 Sweet Peas, per 100 - .75 to 1.00
 Beauties, the best, per dozen 3.00

New Dagger Ferns, per 1000 \$1.00
 " " " Extra quality per 1000 1.50

The Leo Niessen Co.

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want a regular or special supply of the product of the best growers

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CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

John Kruchten

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ROSES AND CARNATIONS

Our Specialties.

George B. Hart

WHOLESALE

FLORIST

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The J. M. McCullough's Sons Co.

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BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON June 5	CHICAGO June 6	TWIN CITIES May 25	PHILA. June 6
Ara. Beauty, Fancy and Special...	15.00 to 25.00	30.00 to 35.00	28.00 to 32.00	20.00 to 25.00
" Extra	12.00 to 15.00	25.00 to 30.00	18.00 to 25.00	12.00 to 15.00
" No. 1	8.00 to 10.00	20.00 to 25.00	10.00 to 18.00	8.00 to 10.00
" Lower grades	2.00 to 4.00	5.00 to 8.00	5.00 to 10.00	3.00 to 6.00
Bride, "Mald. F. & S.	4.00 to 6.00	5.00 to 8.00	8.00 to 10.00	6.00 to 8.00
" Lower grades	2.00 to 3.00	2.00 to 4.00	6.00 to 8.00	3.00 to 4.00
Richmond, Chatenay, Fancy & Special	0.00 to 8.00	5.00 to 8.00	6.00 to 8.00	0.00 to 8.00
" Lower grades	2.00 to 4.00	2.00 to 4.00	4.00 to 6.00	3.00 to 4.00
Killarney, My Maryland, Fan. & Spl.	0.00 to 8.00	5.00 to 8.00	8.00 to 10.00	0.00 to 8.00
" Low grades	2.00 to 4.00	2.00 to 4.00	6.00 to 8.00	3.00 to 4.00
CARNATIONS, First Quality	2.00 to 3.00	2.00 to 3.00	4.00 to 5.00	2.00 to 3.00
" Ordinary	1.00 to 2.00	1.00 to 1.50	3.00 to 4.00	1.00 to 1.50
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	50.00 to 60.00
Lilies, Longiflorum	6.00 to 8.00	6.00 to 10.00	8.00 to 10.00	10.00 to 12.00
Lily of the Valley	2.00 to 4.00	3.00 to 4.00	4.00 to 4.00	3.00 to 4.00
Peonies	4.00 to 8.00	1.00 to 4.00	..... to	2.00 to 0.00
Daisies .....	.50 to 1.00	..... to .....	.50 to 1.00	.75 to 1.00
Snapdragons	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	..... to
Sweet Peas .....	..... to 1.00	.50 to 1.00	.75 to 1.00	.50 to 1.00
Gardenias	4.00 to 8.00	..... to	15.00 to 20.00	10.00 to 20.00
Adiantum	1.00 to 1.25	..... to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 16.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Asparagus Plumosus, strings (100) to 50.00	50.00 to 75.00	60.00 to 70.00	35.00 to 50.00
" " & Sprea. (100 bchs.) to 40.00	25.00 to 40.00	30.00 to 40.00	35.00 to 50.00

J.A. BUDLONG

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OUR STOCK IS A-1 AND IT IS QUALITY NOT PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens, Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss, Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

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 9 CHAPMAN PLACE,

BOSTON, MASS.

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We Grow Our
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Simple methods of correct accounting especially adapted for florists' use.

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All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports

This week is "between BOSTON hay and grass," Memorial Day having passed and school graduations not yet started. All flowers have dropped off in demand and price, and as there are lots of them the sale of stock at wholesale calls for the exercise of much sagacity in order to realize anything for the grower. American Beauty roses are in most active demand, with Richmond, Maryland, Killarney and White Killarney following in order as named. Bride and Bridesmaid are the most difficult to move. Carnot is coming in now and will soon occupy a front seat. Kaiserin, on account of its liability to bruise in handling, is not making much headway. Carnations are reduced in quality but not in quantity. Many of the blooms now coming in are puny and indicate that the plants are about used up. In addition to the flowers listed in regular table, peonies from \$4.00 to \$8.00 stocks from \$2.00 to \$3.00 and astilbe at \$1.00 and \$2.00 should be mentioned.

The trade was well satisfied with memorial week's business. Things were a little quiet at beginning of the week but lost time was made up on Saturday, Sunday and Monday. The severe hot weather a week previous cut off a good portion of out-door material, but peonies of eastern and western shipment were a good help-out. Carnations, together with lilies, roses, iris and deutzia helped to make up what was needed. No complaint can be made regarding the following week, cut flowers being in good supply on most lines except peas, which were scarce for a few days. Home-grown peonies are coming in more plentiful and things cleaned up fairly well at the end of the week. Weddings are beginning to be noticeable since June 1st, and the demand for lily of the valley and white roses is daily on the increase.

June opens with an abundance of stock but the quality does not average up to that of former years. There are plenty of roses but the long-stemmed ones, so much in demand for commencements, are scarce, while there is more short stock than can be handled to advantage. Many soft roses that will not bear shipping are turned over to the street fakirs and by this means the actual quantity thrown away is less than that of two weeks ago. Beauties are of good quality but the hot weather has made them small. Carnations are poor and fancy stock hard to find. A good demand exists for good shipping stock and when it can be found it sells readily. Size has rapidly diminished during the past three weeks. Iris is about gone and the season has been a disappointment to many. Peonies are selling slowly and much of the stock taken from cold storage for Memorial Day opened up poorly. All in all the extreme heat has changed market conditions and made a record not to be desired. New ferns from Michigan and Wisconsin are in and sell from \$2.50 to \$3.00 per 1000. Smilax continues very scarce.



TYING TAPE SPECIAL

A new Pennock-Meehan introduction for tying boxes and packages. It is a highly finished extra quality tape, very strong and almost as economical as ordinary twine, adds elegance and exclusiveness to the box or package.

PER 1000 YARD SPOOL, \$1 75

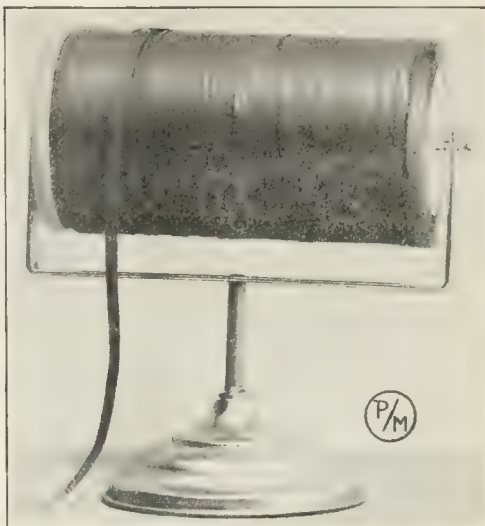
Stock Colors: Foliage green, orchid, violet, red, light blue and white.

We can furnish special colors to match any color box on three week's notice.

Tape Reels or Holders

Gun Metal, an elegant counter requisite.

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THE WHOLESALE PHILADELPHIA FLORISTS OF

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109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI May 25	DETROIT June 6	BUFFALO June 6	PITTSBURG June 6
ROSES				
Am. Beauty, Fan, and Sp.	8.00 to 12.00	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00
Extra	4.00 to 6.00	20.00 to 25.00	12.00 to 15.00	12.00 to 15.00
No. 1	to	15.00 to 20.00	8.00 to 10.00	6.00 to 8.00
Lower grades	to	4.00 to 12.00	2.00 to 3.00	3.00 to 4.00
Bride, 'Maid, F. & S.	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	8.00 to 10.00
Low. gr.	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	4.00 to 6.00
Richmond, Chateauf, Fancy & Special	4.00 to 6.00	6.00 to 8.00	5.00 to 6.00	9.00 to 12.00
Lower Grades	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	3.00 to 4.00
Killarney, My Maryland, Fan, & Spl.	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
Low Grades	2.00 to 3.00	4.00 to 6.00	2.00 to 3.00	3.00 to 4.00
CARNATIONS, First Quality				
Ordinary	to 3.00	2.00 to 3.00	2.00 to 2.50	2.00 to 3.00
MISCELLANEOUS				
Cattleyas	50.00 to 75.00	50.00 to 75.00	50.00 to 60.00	40.00 to 60.00
Lilies, Longiflorum	1.00 to 3.00	to 12.50	6.00 to 8.00	8.00 to 10.00
Lily of the valley	1.00 to 3.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Peonies	to	to	3.00 to 4.00	to
Daisies	25 to 50	50 to 1.00	1.00 to 2.00	to 1.00
Snapdragon	2.00 to 3.00	3.00 to 8.00	5.00 to 6.00	to
Sweet Peas	25 to 35	50 to 1.00	to 75	to
Gardenias	to	to 25.00	to	to
Adiantum	to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25
Smilax	to 12.50	to 15.00	to 15.00	to 20.00
Asparagus Plumosus, strings (100)	to 35.00	20.00 to 30.00	50.00 to 60.00	to 60.00
" " & Spreng (100 behs.)	to 25.00	20.00 to 30.00	35.00 to 50.00	to 40.00

DETROIT The recent heated spell seems to have cooked all the life out of the flowers and while the demand for Decoration Day was very brisk indeed the poor quality drove many a lot of carnations and roses into the dump cart. Last week was much cooler and all stock shows a great improvement, but even a very heavy demand would not cope with the enormous quantities shipped into this market. It was a blessing for the growers that a local society held a flower sale for the benefit of a hospital for crippled children. Some 200 high school girls sold

30,000 carnations, 20,000 roses and many peonies for whatever the purchaser would give, netting thereby some \$2,000 for their institution and disposing of goods which without this sale would have been lost. Peonies are coming in very fast and many of them are being put into cold storage for future use. Local growers have an assortment of peonies which it is difficult to beat. Lilium longiflorum are more than abundant at present. Most of the plant growers have completed their bedding and report a complete clean-up at good prices.

(Continued on p. 856)

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Successor to
FORD BROTHERS
121 West 28th Street NEW YORK
FINE ROSES. FANCY CARNATIONS
A Full Line of All CUT FLOWERS.
Telephone, 3870 or 3871 Madison Square

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Metal Designs, Baskets, Wire Work & Novelties
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A full line of Choice Cut Flower Stock for all purposes. LARGEST CROWERS
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ORCHIDS A SPECIALTY
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
GARDENIAS, DAISIES, ROSES AND CARNATIONS
JAMES McMANUS, Tel. 759 Mad. Sq. 55 W. 28th St., New York

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending June 3 1911		First Half of Week beginning June 5 1911	
American Beauty, Fancy and Special.....	10.00	to 12.00	10.00	to 15.00
" " Extra.....	8.00	to 10.00	8.00	to 10.00
" " No. 1.....	4.00	to 6.00	4.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Maid, Extra and Special.....	3.00	to 4.00	3.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Richmond, Chateaux, Extra and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, My Maryland, Extra and Special.....	2.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 2.00
" " Ordinary.....	.50	to 1.00	.50	to 1.00
Peonies,.....	1.00	to 4.00	1.00	to 4.00

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Consignments Solicited

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Manufactured by
W. J. COWEE, BERLIN, N. Y.
10,000... \$1.75; 50,000... \$7.50. Sample free
Per sale by dealers

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WHOLESALE FLORISTS
Choice Cut Flowers
CONSIGNMENTS SOLICITED
54 West 28th St., NEW YORK
Prompt Payments. Telephone 3559 Madison Square

FRANK MILLANG
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55-57 West 26th St., NEW YORK
Shipments, any quantity, Wholesale Market Rates.

KRICK'S FLORIST NOVELTIES
Manufacturer and Patentee of the Perfect Adjustable Pot Handle or Hanger, Perfect Adjustable Plant Stands and the Original Genuine Immortelle Letters, etc. Every Letter Marked
1164-66 Greene Ave., Brooklyn, N. Y.
For Sale by all Supply Houses.



Flower Market Reports

(Continued from page 855)

NEW YORK An unwieldy surplus of all kinds of flowers continues to encumber the wholesale market daily. Rose growers are still cutting heavily, although the quality runs rather poor as a rule and there is no evidence as yet of any general emptying of houses for replanting. Carnations and lilies are also badly accumulated and peonies, in all grades of good and bad quality are heaped high in the commission houses. Prices rule very low on everything when large quantities are in question. The retail trade is fairly busy with steamer work and graduation demands are already in sight. The conditions are generally favorable for the retailer who can practically dictate values on stock wanted. Sweet peas are abundant, the Spencer waved varieties predominating.

PHILADELPHIA Our last week's report covered the market here to the wind-up of Memorial Day business Tuesday night. There was not much left over Wednesday morning, but the last four days of the week had little to show in the way of live business. The "June weddings and things" did not materialize, and, as a consequence, there were long faces by Saturday night—which seemed to suggest Gilbert's doleful ditty:

"O why, O tell me why, is everything at sixes and at sevens."

Ninety-nine per cent. of the stock that came in was not up to the mark and prices ruled accordingly. The one per cent. of really first-class stock that could be culled out from this enormous mediocre mass brought good prices. We heard of one lot of American Beauty roses from a good grower (and a fair average of what is now coming in) on which one thousand flowers were culled over to get ten real specials. The ten brought \$4, but how about the other 990?—all the way down to 5c. There were lots of good Killarney around, but Maryland had the call. It is to date the best pink rose for hot weather. In white roses Kaiserin ought to be the leader now, but our mercenary growers insist on giving us White Killarney instead. There are fewer and fewer Kaiserin being grown. Kaiserin is the best summer rose as to quality. Mountains of peonies around. Only the fancies bring any kind of a price. Lily of the valley and sweet peas, normal. Orchids slow. Gardenias and a host of other things we ought to tell you about will have to wait.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

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WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

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Tel. 4581 Main

WILLIAM F. KASTING Co.

Wholesale Florists

383-387 ELLICOTT ST. - - BUFFALO, N. Y.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 3 1911		First Half of Week beginning June 5 1911	
Cattleyas.....	20.00	to 25.00	20.00	to 25.00
Lilies, Longiflorum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 3.00
Daisies.....	.10	to .25	.10	to .25
Snapdragon.....	2.00	to 3.00	2.00	to 3.00
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 6.00
Gardenias.....	4.00	to 12.00	4.00	to 12.00
Adiantum.....	.75	to 1.00	.75	to 1.00
Smilax.....	8.00	to 12.00	8.00	to 12.00
Asparagus Plumosus, straggles.....	10.00	to 50.00	10.00	to 50.00
" " & Sprigs (100 bchs).....	15.00	to 25.00	15.00	to 25.00

ST. LOUIS Business for the last week was quite satisfactory. This being the month of weddings and school graduations a lot of business is now expected. There are quantities of cut flowers consigned to this market every day, but the quality is very poor. Extra quality in roses seems out of question at present and the prices are not over \$6 per 100 for the best. Carnations are becoming small and the market is crowded with a lot of this poor stock which do not bring more than \$10 to \$15 per 1000. Sweet peas are plenty and of good quality. Candidum and Harrisii lilies are in fine, also corn flowers, iris and gladioli. Local florists report that shipping orders were much better than the home demand for Decoration Day.

WASHINGTON The best trade for Memorial Day ever known in the District has been followed by an excellent "commencement" business. Commencement exercises are being held every day and will continue until the 20th. Many novelties have been seen this year. A class of 39 at the Cathedral School wore straw hats trimmed with natural flowers. At the National Park Seminary one class carried arm baskets, another showers, another arm sprays, another floral scarfs, another wands, another crooks. The excellent state of trade makes everyone feel happy, notwithstanding long hours and hard work. There is a plentiful stock of everything and prices rule about normal. Only one exception might be noted: the hot weather forced the peonies to such a degree that they have been of unsatisfactory quality.

FATHERS' DAY.

This occasion has been fixed by common consent for the third Sunday in June. Whoop it up. A red rose is the badge. Just as silly as Mother's Day, of course; but so long as there is business in it, "any handle is good enough to turn the crank with," as Jock Macpherson used to

say. It appears that Mrs. J. B. Dodd, of Spokane, Washington, is the sponsor for the new movement, as was Miss Jarvis, of Philadelphia, for Mothers' Day. The writer of this paragraph is now about a million years old, and has lived in many families. His experience is that the best man in the bunch is the mother-in-law. She chops the wood, brings up the family, does everything and gets no credit—only a lot of abuse for her trouble. If we ever wear a flower it will be for the mother-in-law.

PEONIES AT WHOLESALE

'Phone us how many you want

T. C. THURLOW'S SONS

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West Newbury, Mass.

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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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AGERATUMS

A. N. Pierson, Inc., Cromwell, Conn.
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ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ARTSTONE FLOWER VASES

Patrick Grace, Brighton, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
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Asparagus Sprengeri and plumosus, 2½ in., 2c. and 2½c. Roney Bros., West Grove, Pa.

Asparagus Sprengeri, 4 in., extra strong, \$7.00 per 100. J. S. Pfeuffer, Glen Riddle, Pa.

ASTERS.

Asters, strong plants from selected seed. Queen of the Market, White, \$1.50 per 1000. Cash. James J. Bates, Akron, N. Y.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
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Loechner & Co., New York, N. Y.
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BAY TREES

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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 50 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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Wood Bros., Fishkill, N. Y.

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Godfrey Aschmann, Philadelphia, Pa.
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Bedding plants in variety; Heliotrope, Fuchsias, Petunias, Salvias, Ageratums, Stocks, etc., 3½ in., 3c.; Coleus, Verbenas, Mme. Sallerol, Golden Feather, Lobelias, Petunias single, 2½ in., 3c. Cash. H. Hansen, Malden, Mass.

BEDDING PLANTS—Continued

Geranium Poitevine, Viald, Jaulin, La Favorite, English Ivy, Salvia Bonfire, Heliotrope, Fuchsias, Double White Feverfew, 3½ in., \$6.00 per 100; Geranium Sallerol, German Ivy, Double Sweet Alyssum, 3 in., \$5.00 per 100; White Marguerite, 3 in., \$4.00 per 100; Coleus, G. Bedder, Verschaffelt, Queen Victoria, 2½ and 3 in., \$2.50 and \$4.00 per 100; Green Cannas, 3½ in., \$5.00 per 100; Achryanthus Linden, Ageratum, Double Lobelia, Dusty Miller, Verbenas, 2½ in., \$2.50 per 100; Abutilon Savitzii, 2 in., \$3.00 per 100. Cash. F. Sokol, Worcester, Mass.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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A. N. Pierson, Cromwell, Conn.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$30.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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A. Leuthy & Co., Roslindale, Mass.
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Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

BULBS AND TUBERS

Joseph Breck & Sons, 47-54 N. Market St., Boston.

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J. M. Thorburn & Co., 33 Barclay St., N. Y.
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A. T. Boddington, 342 W. 14th St., N. Y.
Quality Bulbs.

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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.

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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.
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Lechmer & Co., New York, N. Y.
Hyacinths for Christmas Bloom.

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John Lewis Childs, Flowerfield, L. I.
Spring Bulbs.

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The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.

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Fottler, Fiske, Rawson Co., Boston, Mass.
Begonias, Gloxinias.

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BULBS AND TUBERS—Continued

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Henry A. Dreer, Inc., Philadelphia, Pa.

CANNAS

Wood Bros., Fishkill, N. Y.

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5000 Cannas, 3 inch, 10 Best, \$5.00 per 100. King Humbert, 3 inch, 7c.; 4 inch, 8c. Benjamin Connell, Merchantville, N. J.

Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. I. L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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Wood Bros., Fishkill, N. Y.

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Poehlmann Bros., Morton Grove, Ill.
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CHRYSANTHEMUMS

SMITH'S CHRYSANTHEMUMS.

WEEKLY BULLETIN.

Fine stock for immediate delivery, not less than 25 of a kind at hundred, and 250 at thousand rate. The flowering season is in the order given beginning with the earliest.

WHITE	100	1000
Polly Rose	\$3.00	\$25.00
Ivory	3.00	25.00
Beatrice May	3.00	25.00
Clementine Touse	3.00	25.00
Indiana	3.00	25.00
Miss Clay Frick	3.00	25.00
Pres. Taft	3.00	25.00
Mrs. Wm. Arnold	3.00	25.00
Mlle. Margaret Desjouis	3.00	25.00
Tim. Eaton	3.00	25.00
W. H. Chadwick	3.00	25.00
Yanoma	3.00	25.00
Jeanne Nonin	3.00	25.00

YELLOW	100	1000
Yellow Oct. Frost	3.00	25.00
Yellow Ivory	4.00	35.00
Donatello	5.00	45.00
Crocus	3.00	25.00
Yellow Eaton	3.00	25.00
Major Bonaffon	3.00	25.00
Yellow Jones	3.00	25.00
Nagoya	4.00	35.00

PINK	100	1000
Glory of Pacific	\$3.00	\$25.00
Pacific Supreme	3.00	25.00
Gloria	3.00	25.00
Pink Ivory	3.00	25.00
Mrs. Wm. Wincott	3.00	25.00
Vivian Morel	3.00	25.00
Dr. Enguehard	3.00	25.00
Patty	4.00	35.00
Mayor Weaver	3.00	25.00
Minnie Bailey	3.00	25.00
Pres. Roosevelt	4.00	35.00
Helen Frick	3.00	25.00
Mlle. Jeanne Rosette	3.00	25.00

RED	100	1000
L'Africane	\$4.00	\$35.00
Intensity	4.00	35.00
John Shrimpton	4.00	35.00

Those interested in ANEMONES, POM-PONS and SINGLES will be quoted upon application.

This bulletin will be changed each week to comply with stock on hand. Rooted cuttings will be furnished at 50c. per hundred, \$5.00 per thousand, less than prices quoted above.

ELMER D. SMITH & CO., ADRIAN, MICH.

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Wood Bros., Fishkill, N. Y.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Halliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonnaillon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

Strong R. C. October Frost, first topping from cold frame stock, \$15.00 per 1000. Killarney, White Killarney and Richmond, 2 yr. grafted stock, \$10.00 per 100. Cash. I. M. Rayner, Greenport, L. I., N. Y.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass.
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COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Eastern Nurseries, Jamaica Plain, Mass.
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CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York.

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CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia.
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Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J.

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williamstown Junction, N. J., Post Office, Berlin, N. J.

DECORATIVE PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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DRACAENAS

Dracaena Indivisa, extra good stock, 6 in., \$6.00 per doz.; 5 in., \$4.00 per doz.; 4 in., \$2.50 per doz. Vinca, variegated, 4 in. pots, \$10.00 per 100. Chas. H. Greer Spencer, Mass.

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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T. C. Thurlow's Sons, West Newbury, Mass.
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H. H. Barrows & Son, Whitman, Mass.
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John Scott, Brooklyn, N. Y.
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Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa.
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F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

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Boston ferns, large 6 in. plants, 50c. each. Edw. Doege, 4344 N. Springfield Ave., Chicago, Ill.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N.J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass.
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Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

M. Rice & Co., Philadelphia, Pa.
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FLORISTS' LETTERS

Boston Florist Letter Co., 66 Pearl St., Boston, Mass.

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Immortelle Letters.
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M. Rice & Co., 1220 Race St., Phila., Pa.
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Syracuse Pottery Co., Syracuse, N. Y.
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Peters & Reed Pottery Co., Zanesville, O.
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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Kervan Co., New York.

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H. M. Robinson & Co., 15 Province St.
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GERANIUMS

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.

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John McKenzie, North Cambridge, Mass.
Best Standard Varieties.
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S. A. Nutt Geraniums, 3 in. pots, 6c.; 2½ in., 4c.; in bud and bloom. Geo. P. Gridley, Wolfboro, N. H.

S. A. Nutt and Beaute Poitevine Geraniums from 3¼ in. pots at \$6.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

Geranium, Double Grant, bud and bloom, 4 in. pots, 6c.; 3¼ in., 5c. Geranium Saleroi, Coleus, Salvia, 2½ in., 2c. Ferns Scottii, Piersoni, Boston, 5 in., 35c. and 25c.; 4 in., 15c. Cash. Arthur Cornelis, Somerville, N. J.

Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

GLASS

Boston Plate & Window Glass Co., Boston.
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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Parselsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.

Peerless Glazing Point.

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GREENHOUSE BUILDING MATERIAL

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Pierson U-Bar Co., Madison Ave., New York
Designer and Builder.

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Hitchings & Co., 1170 Broadway, N. Y.

Lord & Burnham,

1133 Broadway, New York.

In writing to Advertisers kindly mention Horticulture

GUTTERS

King Construction Co., N. Tonawanda, N. Y.
King Channel Gutters.
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HAIL INSURANCE

Florists' Hail Asso. of America
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Michigan Cut Flower Exchange,
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The Kervan Co., New York

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Crowl Fern Co., Millington, Mass.

New Crop Fancy and Dagger Ferns.

J. Jansky, Boston, Mass.

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HEATING APPARATUS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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Lord & Burnham Co.,
1133 Broadway, New York.

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P. Ouwkerk, P. O. No. 1, Hoboken, N. J.
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Bobbink & Atkins, Rutherford, N. J.
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Foley Mfg. Co., Chicago.

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Parshelsky Bros., Brooklyn, N. Y.

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Lord & Burnham Co., 1133 Broadway, N. Y.

HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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The true blue French Hydrangea from
5½ and 6 in. pots, sky blue, from 8 to 16
branches, \$9.00 per dozen. Best selected
plants, \$12.00 per dozen. Cash please. A.
Schultheis, College Point, Queensborough,
N. Y.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotide kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.

Kilndead Tobacco Dust.

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Aphine Manufacturing Co., Madison, N. J.
Aphine.

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E. H. Hunt, Chicago, Ill.

To-Bak-line Products.

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Wilson Plant Oil and Fertilizer Co., New
York N. Y.

Wilson Plant Oil.

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Wm. Elliott & Sons, New York, N. Y.

Tobacco Dust.

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Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. J. P.
Beermaker, 9 Washington Ave., St. Louis,
Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made
especially by us for the Gypsy Moth Com-
mission. Limpid at all temperatures, com-
pletely penetrates the nest; kills all eggs.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.
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IVIES

Surplus German Ivy, Alternanthera,
Sweet Alyssum, 2 in., 2c. Will exchange
for "Mums." E. A. Chipman, Woonsocket,

English Ivy, 3 in., 20 to 40 in. long, \$5.00
per 100; strong rooted cuttings, \$1.00 per
100 prepaid. Chas. Frost, Kenilworth,
N. J.

JAPANESE LILIES

Loechner & Co., New York, N. Y.
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A. Leuthy & Co., Roslindale, Mass.
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Bobbink & Atkins, Rutherford, N. J.
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LANDSCAPE GARDENING COURSE.

Home Correspondence School, Springfield,
Mass., Dept. 8.
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**LILIUM MULTIFLORUM AND GIGAN-
TEUM**

R. M. Ward & Co., New York, N. Y.
Horse Shoe Brand.
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LOBELIAS

Lobelia K. Mallard, good ones, 2½ in.,
2c. J. Clint McPherson, Carrollton, Ill.

MASTICA

F. O. Pierce Co., New York, N. Y.
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NICO-FUME

Kentucky Tobacco Product Co.,
Louisville, Ky.

NIKOTEN APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.

NURSERY STOCK

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T. C. Thurlow's Sons, Inc.
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Hardy, Northern Grown Stock.
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McHutchison & Co., New York, N. Y.
Direct Importations.

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Loechner & Co., New York, N. Y.

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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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ORCHID PLANTS—Continued

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Joseph Manda, West Orange, N. J.
Cattleya Dowiana.

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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
Roslindale, Mass.

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Robert Craig Co., Philadelphia, Pa.

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John Scott, Brooklyn, N. Y.

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Joseph Heacock, Wyncote, Pa.

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Loechner & Co., New York, N. Y.

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

PATENTS

Siggers & Siggers, Washington, D. C.
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PECKY CYPRESS BENCHES

Foley Mfg. Co., Chicago.
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A. T. Stearns Lumber Co., Boston, Mass.
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PEONIES

PEONIES—1200 sorts, an enormous stock
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PHLOX

Henry A. Dreer, Philadelphia, Pa.
Hardy Perennial Phloxes.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

Bobbink & Atkins, Rutherford, N. J.
Cypress Tubs.
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H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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Buxton Doane Co., 13 Midway St., Boston.

Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

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PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

Cal. Privet, 18 to 24 inch., \$10 1000; Amoor River, 18 to 24 inch. \$16 1000. All 2 year, well branched. In storage for immediate shipment, f. o. b., cash with order. Have about 10,000 each kind. Order quick. VALDESIAN NURSERIES, Bostic, N. C.

RHODODENDRONS

P. Ouwerkerk, Hoboken, N. J.
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American Grown Roses.
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Robert Craig Co., Philadelphia, Pa.
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Bay State Nurseries, North Abington, Mass.
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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIAS

Salvia, leading varieties, also yellow spotted leaves, ¾ in. plants, pinched back, just right for bedding out from 2½ in. pots, \$2.00 per 100. S. Dumser, Elgin, Ill.

SCALECIDE

B. G. Pratt Co., New York, N. Y.
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Braslan Seed Growers Co., San Jose, Cal.
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Beans, Peas, Sweet Corn, Onion, Turnip.
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James Vick's Sons, Rochester, N. Y.
All Leading Varieties of Seeds.
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The W. W. Barnard Co., Chicago, Ill.
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J. Bolgiano & Son, Baltimore, Md.
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C. H. Gardiner, South Pasadena, Calif.
Asparagus, Guava and Smilax Seeds.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

TREE RENOVATION

John T. Withers, Inc., Jersey City, N. J.
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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.,
White Marsh, Md.
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Warren Shinn, Woodbury, N. J.
New Jersey-Grown Tomato Plants.
Spring grown Jersey Wakefield cabbage plants, transplanted and cold frame hardened. Extra fine stock, 50c 100, \$4.00 1000. Russell Bros., R. D. No. 4, Syracuse, N. Y.
Tomato plants: Acme, Jewel, Stone, Champion, Earliana. Just right for field. Transplanted, 80c. per 100; out of 3 in. pots, \$1.50 per 100. Cash, please. W. C. Lester, Plainville, Conn.

VENTILATING APPARATUS

Foley Mfg. Co., Chicago.
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The Advance Co., Richmond, Ind.
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VINCAS

Vinca variegata, 2 inch, 2 cts.; rooted cuttings, \$1.00 per 100. Russell Bros., R. R. 4, Syracuse, N. Y.
Vinca minor (myrtle), good for shady places. Strong rooted runners, \$1.00 per 100; strong field roots, \$1.00 per doz., prepaid; by express, \$3.00 per 100. Chas. Frost, Kenilworth, N. J.

WIREWORK

Reed & Keller, 122 W. 25th St., N. Y.
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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.
William E. Heilscher's Wire Works, 38-40 Broadway, Detroit, Mich.

WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

WHOLESALE FLORISTS**Boston**

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New Offers in This Issue.

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TYING TAPE.

S. S. Pennock-Meehan Co., Phila., Pa.
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In writing to Advertisers kindly mention Horticulture

Advertise Your Stock In Horticulture



If you could figure up how much business you do not get because someone had forgotten your address or 'phone number, or because someone did not know you had what they wanted you would be surprised at the amount you had lost.



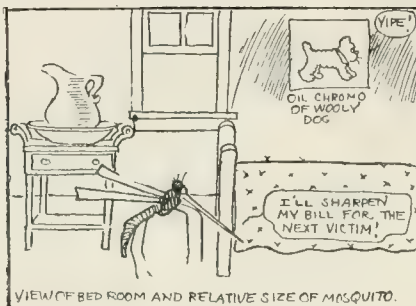
Advertise Your Stock In Horticulture and Stop This Leak

During Recess

Good News for Barnegat.

That item in last week's HORTICULTURE about the Aphine Mfg. Co. having a mosquito repellant cooking in the incubator, is certainly good news for Barnegat. Glory be! The writer hopes that Mr. Ebel will make it "double strong" and sure death! A repellant is good, but an annihilator would be still better! Blessings on you, Mr. Ebel! If you succeed in your laudable endeavor you will rank with Lydia Pinkham as a Friend of the Human Race.

Once a year Commodore Westcott invites "the boys" down to Barnegat. He means well, but this is the way it looks to some of us thin-skinned lads:



VIEW OF BED ROOM AND RELATIVE SIZE OF MOSQUITO.

We pay the North American and Bradford the compliment of a reproduction. The bed post stunt for sharpening the stinger is a revelation. Aha! so that's how the villains do it, eh! Well, well, education certainly is a great thing. Even the mosquitos have got it. G. C. W.

British Horticultural Traders' Reunion.

We have received from Mr. J. S. Brunton a copy of the menu and list of toasts at the reunion dinner of the British Horticultural Traders who recently visited this country. It was held at Anderton's Hotel, London, on May 24. The toasts were: "His Majesty the King," "The President of the United States," "America," "American Horticulture," "The Ladies," "The Horticultural Press" and "The Chairman." The enjoyable affair closed with the singing of "Auld Lang Syne."

New York Bowlers.

At the practice game on Friday evening, June 2, W. J. Eldering of Holland was present as a visitor. Scores were made as follows:

Chubbine, 217	191	294	Kakoda	132	134	118
Manda	134	181	198	Shaw,	114	141 158
Irwin,	170	168	195	Scott,	191	118 141
W.R.'k'ds, 172	163	161	Nugent,	109	113	92
A.R.'k'ds, 178	169	132	Eldering,	—	108	89

The Elliott Auction Company of New York City will have their usual annual trade sale of plants shortly—probably about the middle of June.

RAILROAD STATION GARDENING.

See Cover Illustration.

Comparison of depots and grounds of railroads in this country and abroad offer results in unfavorable comment by travelled persons. American railroads, concerned largely with securing dividends and eliminating expenses which bring no visible returns for the outlay, expend little money and effort in the cultivation of the beautiful and esthetic. Possibly less is done in this line now than was done by them twenty years ago. Then the Baltimore & Ohio, for example, maintained a large force of gardeners, and had greenhouses in which were grown bedding plants for use around the stations. The road does little of this now. More, perhaps, is done by the Pennsylvania, but more attention is paid by the latter road to shrubbery, which may show better judgment. The Santa Fe railroad has done a good deal in the way of building attractive station houses, as has the Southern and Union Pacific, and other roads do something to make their depots and terminals attractive. It must be admitted, however, that the efforts in this direction fall far short of what might be considered desirable, from the point of view of the public. Often citizens associations take in hand the improvement of grounds around railroad stations without cost to the railroads, and some roads give prizes to employes who make the best showing around depots.

This is a subject in which the advocates of the "city beautiful" idea can arouse interest. Practical horticulturists and landscape gardeners will naturally help to cultivate public taste in the beautification of what now are too frequently unsightly places. R. Vincent, Jr., of White Marsh, Md., while abroad recently, was impressed by the different style of treatment of station grounds and premises by the European railroads, which in the main are government-owned. Perhaps beauty is not an asset in this country which can be turned into money, but many persons believe that it is. At any rate, a photograph of a Berlin depot interior which was brought back by Mr. Vincent, and which is loaned to HORTICULTURE by Prof. L. C. Corbett of the Department of Agriculture, Washington, shows how attractive a big railroad station can be made, and it should furnish a valuable object lesson for American railroads.

Look Carefully Through The Buyers' Directory

It is the Key to the offers of Advertisers in each issue.

It will remind you of the things you need now.

ST. LOUIS NOTES.

The National Clock and Electrical Co. are now housed in their new quarters, 1906 Pine street, much larger than the old one, which was destroyed recently by fire.

The W. C. Smith Wholesale Floral Co. have a quartette of good singers in Messrs. Smith, Ossick, Patten and Windler. They are now rehearsing for the florists' picnic.

Ostertag Bros. had a \$500 job at the Jefferson Hotel planting of the window boxes. Kalisch Bros. also had a \$500 job planting Bellevue Garden. Both were splendidly executed.

Our four wholesale houses have started early closing June first. They will close at 5 P. M. each day and at 12 M on Saturdays until September. This was hailed with great delight by the employees.

Secretary Beneke of the St. Louis Florists' Club has sent out the invitations for the 25th anniversary banquet of the club, which takes place June 28th at Peckmann's Hotel. Among the invited guests are all the officers of the S. A. F.

Phil. C. Scanlan, the outgoing Park Commissioner, was the guest of honor at a banquet given by his many friends at the St. Louis Club, last week. The incoming Park Commissioner, Dwight F. Davis, Mayor Kreismann, ex-Mayor Wells and David R. Francis, were the speakers.

Shaw's Garden opened its gates to the public for the first time this year on Sunday last. The weather was so very hot that the attendance was not near what it used to be on these public Sunday openings. According to the gate keeper just 7794 passed through from 2 o'clock to closing time. Those who braved the heat were well repaid, as the garden never looked more attractive. Superintendent Irish was on hand to greet the visitors and in groups with a guide they inspected all points of interest.

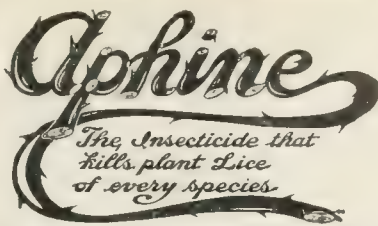
Visitor—Harry Balsley, Detroit, Mich.

PHILADELPHIA NOTES.

Frank Forney permanent representative in Chicago of M. Rice & Co., has been in Philadelphia for a week or more looking over the new season's offerings and getting in touch with the fountain-head of things. The firm is now busy opening up new arrivals, photographing novelties and getting their sample lines ready for the new campaigns.

Mr. Hansell is now running the retail end of W. C. Smith's establishment at 60th and Ludlow streets. The old greenhouse range has now shrunk to almost nothing and it is a hard job to find it with stores and dwellings erected almost all around. Big changes have come over that neighborhood since the elevated went through to 69th street.

"The finest and best" in flowers is what Charles H. Fox offers his customers according to a big sign on the building 211 South Broad street, which he will occupy as soon as alterations are completed. He is at present located at 223 South Broad street. Is it permissible to ask if a double superlative is more high-toned than a double negative?



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

\$2.00 per gallon, 75c. per quart.

FOR SALE BY SEEDMEN

Send for name of nearest selling agent.

Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country.

Aphine and Fungine can be used in house or field.

MANUFACTURED BY

APHINE MANUFACTURING COMPANY
MADISON, N. J.

Imp Soap Spray

Clean and odorless. Forms invisible films. Non-corrosive. Usual effective strength, one to thirty-two.

Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50

In barrels, \$1.00

Eastern Chemical Company

Pittsburg Street
BOSTON

KILMDEAD
The best of all
the tobacco
dusts for
Dusting or
Fumigating

25 lbs. \$1.00	100 lbs. \$ 3.00	1000 lbs. \$27.00
50 lbs. 1.75	500 lbs. 14.00	2000 lbs. 52.50

Stump & Walter Co.
50 Barclay St.
New York.

To-Bak-Ine Products Kill Bugs

You can buy it in Liquid Form, Fumigating Paper, Fumigating Powder and Dusting Powder (Booklet—Words of Wisdom—free).

Use any form you choose but buy it of

E. H. HUNT, 76-78 Wabash Avenue, Chicago

**TOBACCO
DUST**
\$2.00—100 lb.

WM. ELLIOTT & SONS,
42 Vesey St., New York

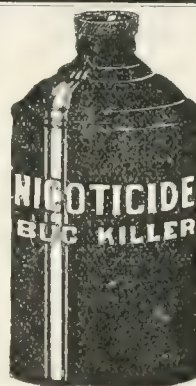
OBITUARY.

William Russell Dudley.

William Russell Dudley, emeritus professor of systematic botany at Leland Stanford University, died at Stanford, Cal., on June 4, from tuberculosis. He was 62 years old. For sixteen years Professor Dudley was a member of the Cornell faculty. He was made emeritus professor on the Carnegie foundation Jan. 1, last and was a fellow member of the American Association for the Advancement of Science. He was born at Guilford, Conn.

John K. Richter.

John K. Richter, florist, died at his home, 319 South Nineteenth avenue, east, Duluth, Minn., on May 27.



The Best
Bug Killer and
Bloom Saver

For PROOF
Write to

P. R. Palethorpe Co.
OWENSBORO, KY.

Wilson Plant Oil & Fertilizer Company

150 Nassau Street, NEW YORK CITY
Horticultural Supplies

Write for our special Catalogue

Cocoanut Fibre Soil

Do you know what this is?
Can you afford to remain ignorant?
It means \$'s for you. Write for sample
10c. Agents wanted.

20th Century Plant Food Co., Beverly, Mass.

**PRATT'S
SCALECIDE**

Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet, "Orchard Insurance." B. S. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

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Ishpeming, Mich.—A lot, 50 x 150 feet, on North Third street, has been purchased by Trebilcock Bros., and a greenhouse will be built upon it.

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RHODODENDRONS AT THE ARNOLD ARBORETUM.

From Bulletin No. 6.

Many of the rhododendrons in the collection at the base of Hemlock Hill are now in flower and can be most easily reached from the South street entrance. Owing to the heat and drought of May the flowers are smaller than in more favorable seasons and they will probably not last long in good condition.

The variety of these plants which can be successfully grown in this climate is not large, and they are mostly derived from a few species. The most important of these species are three rhododendrons of the eastern United States—*Rhododendron catawbiense*, *Rhododendron punctatum* and *Rhododendron maximum*. The first grows only on the high summits of the southern Alleghany mountains where it sometimes covers enormous areas, but is rarely found much below an altitude of five thousand feet. This plant is very hardy and in cultivation forms a broad, low bush; it grows slowly, however, and the flowers are of a rather disagreeable purplish rose color. It is most interesting for the part which it has played in the production of the principal race of garden rhododendrons. Several plants are now in flower along the drive not far from the South street entrance. The second species, *Rhododendron punctatum*, is also a native of the southern Appalachian region where it grows at much lower altitudes than *Rhododendron catawbiense*. It forms a dense low bush with small leaves thickly covered on their lower surface with dark dots, and small, reddish purple flowers in small compact clusters which are a good deal hidden by the young branches which, growing before the flowers open, overtop them. This plant, of which there are good specimens in the collection, will not be in bloom for several days. There are two hybrids of this species known in gardens as *Rhododendron Wilsoni* or *arbutifolium*, and *Rhododendron myrtifolium*. The former is a cross with the alpine *Rhododendron ferrugineum* and the latter with the alpine *Rhododendron hirsutum*. In habits and foliage they are handsomer plants than their American parent, and are useful for small gardens and for the margins of beds of larger plants; they will not be in bloom for several days. *Rhododendron maximum*, the third of the American species, is found occasionally in New England swamps and is very common along the borders of streams in mountain valleys south of New York, often growing to the size of a small tree and sometimes forming impenetrable thickets of large extent. This is the latest of the rhodo-

dendrons to flower here and will not be in bloom for several weeks. The flowers and the flower-clusters are much smaller than those of *Rhododendron catawbiense* and, like those of *Rhododendron punctatum*, they are hidden by the branchlets of the year which surround and rise above them. A hybrid of *Rhododendron maximum* and *Rhododendron catawbiense*, raised in England and known as *Rhododendron delicatissimum*, is in this climate one of the most beautiful and desirable of garden rhododendrons. It has white flowers tinged with pink, which appear after those of most of the other *catawbiense* hybrids have passed. Another English hybrid of the same parentage, *Rhododendron Wellesleyanum*, is less hardy here than either of its parents; and among a large number of seedling plants of *Rhododendron maximum* crossed the some of the red-flowered *catawbiense* hybrids, raised near Boston, only a few have been able to bear the cold of the New England winters. Other species in the collection are the European *Rhododendron ferrugineum* and *Rhododendron hirsutum*, the Japanese *Rhododendron brachycarpum* and *Rhododendron Metternichii*, the first with yellow and the other with rose-colored flowers. Several plants of a hybrid of this last crossed with garden hybrids of *Rhododendron catawbiense* have proved hardy in the Arboretum and promise to be valuable additions in the collection. *Rhododendron ponticum* of southern Europe and Asia Minor is hardy only in sheltered positions and is not a desirable plant for this climate. In England it is the common rhododendron of parks and game preserves. *Rhododendron caucasicum* is an early-flowering species from the Caucasus, with compact clusters of yellowish white flowers. There are several hybrids and varieties of this handsome plant in cultivation which have proved hardy in the Arboretum and deserve to be better known here than they are at present. The flowers of many of these have already faded, but a plant called *coriaceum* at the front of the group, just beyond the turn from the Valley Road into Hemlock Hill Road, gives a good idea of the plants of this parentage.

The large plants in the collection are all hybrids of *Rhododendron catawbiense* and it is these hybrids which are generally planted in American gardens. They are of different parentage and have been obtained by crossing *Rhododendron catawbiense* with *Rhododendron maximum*, *Rhododendron ponticum*, and with *Rhododendron arboreum*, and other species with highly colored flowers from the Himalayas. A large number of these hybrids are cultivated in Europe, but only a few of them in which the blood of *Rhododendron catawbiense* predominates are really hardy in New England.

The Arboretum is often asked for a list of the varieties which can be grown here. The following which can be seen in the collection either as large or small plants have been the most successful in the neighborhood of Boston: *album elegans*, *album grandiflorum*, *atrosanguineum*, *bi-color*, *Charles Bagley*, *Charles Dickens*, *delicatissimum*, *Edward S. Rand*, *Everestianum*, *F. L. Ames*, *H. W. Sargent*, *Hannibal*, *Kettledrum*, *King of*

the Purples, *Henrietta Sargent*, *Lady Armstrong*, *Mrs. Millner*, *Mrs. Charles Sargent*, *Mrs. Harry Ingersoll*, *purpureum elegans*, *purpureum grandiflorum*, *roseum elegans*, *Sefton*.

Like most plants of the Heath Family to which the rhododendrons belong, it is impossible to cultivate them in soil impregnated with lime. The area in the eastern states, therefore, where they can be successfully grown is comparatively small.

The Laurels (*Kalmia latifolia*) will be in bloom before the end of another week. They are planted beyond the rhododendrons at the northern base of Hemlock Hill and furnish the last and one of the most beautiful of the yearly flower shows of the Arboretum.

Large plants of the Golden Chain, *Laburnum vulgare*, are occasionally seen in the neighborhood of Boston where this handsome European tree has long been planted. It is not very hardy, however, and succeeds only in sheltered positions. A better plant for this region is the so-called Scotch *Laburnum*, *Laburnum alpinum* of the mountain region of central Europe. This is a large shrub or small tree blooming about two weeks later than *Laburnum vulgare*, and the bright yellow flowers are produced in longer clusters than those of the other species. It grows rapidly and is perfectly hardy. A large plant now in full bloom can be seen close to the Shrub Collection on the Forest Hills Road. This is perhaps the most desirable yellow-flowered shrub or small tree which is hardy in this climate, and it is unfortunate that a plant of this character, which is so generally cultivated in Europe, should be so little known in American collections.

NEWS NOTES.

Los Angeles, Cal.—Jack D'Ortenac of the Redondo Floral Co. has sold his share to Albert Knopf.

Traverse City, Mich.—The Wolverine Nursery Co. of Paw Paw, contemplate opening a branch office here.

Paducah, Ky.—Fire damaged the seed warehouse of Gardiner & Co. to the extent of several thousand dollars, on May 26.

St. Augar, Ia.—The Gilbertson Nursery Co. are building a 40x100 onion storage house. A side track is being laid to the building.


Waterloo, Wis.—Thirty acres of land in the southwest part of the town have been purchased by the McKay Bros. Nursery Co.

Rockford, Ill.—A barn belonging to R. H. Shumway, seedsman, was partially destroyed by fire on May 25. Damage about \$500 with no insurance.

Fulton, N. Y.—G. W. Perkins has purchased the flower store of C. B. Wetherby. Mr. Wetherby will hereafter devote himself to the growing end of the business.

Scranton, Pa.—A 30x100 brick building, four stories high, will be erected by the Scranton Florist Supply Co., beside their present building. It will be used for making designs for florists use.

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Perry, Iowa.—The Perry Nursery Co.; capital stock \$10,000. Incorporators, S. M., E. F., and Ralph Edmundson, C. E. Wilson and E. B. Wilson.

Brooklyn, N. Y.—Liberty Gardens, to deal in flowers, fruits, &c.; capital stock \$10,000. Incorporators, Arthur S. Greene, Henry E. Weeks and Lavinia W. Greene, of Port Jefferson.

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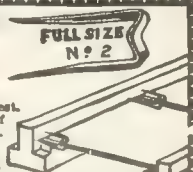
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HORTICULTURE

Vol. XIII.

JUNE 17, 1911

No. 24



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Among the spring flowering hardy border plants none are more admired for their grace and beauty than the Columbines. The variety of colors presented in this genus is equalled by but few garden subjects. For the rockery and semi-wild garden the aquilegias are all well adapted and effective but they enjoy a situation which is not too dry.

The illustration herewith is from a photograph of one of Henderson's "American Hybrid" Columbines and represents the highest perfection of size, form and other qualities admired in the single forms. The foliage is equally robust. The single varieties are, and should be, more popular than the double flowered sorts but there are some superb blooms among the latter also.

Hybrid Tea Rose F. R. Patzer

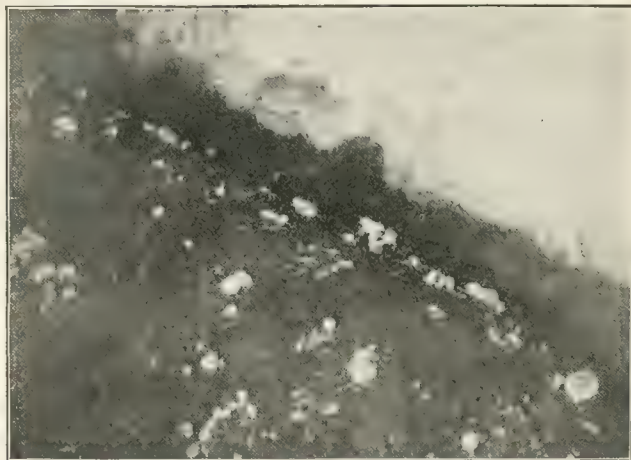
This beautiful rose of which a portrait appears as cover illustration to this issue is one of Dickson's Pedigree Irish introductions of 1909. It has made a good impression among rosarians as a garden variety, being free-flowering, blooms well-formed and highly tea-scented. We have not heard of its being given any trial under glass for cut flower purposes but it would seem a likely subject as the color is quite distinct, the petals being pink on the outside, and buff changing to orange pink on the inner surface. We are indebted to H. A. Dreer for the photograph from which the engraving was made.

Mushrooms

If in growing mushrooms gaining conditions and procuring lively spawn are the most important factors, as claimed by most growers, there certainly are exceptions at times as I have experienced in the bed illustrated.

The manure for this bed was obtained the first week in March, and was turned outdoors, as no suitable sheltered place was available. During the first week it was drenched with a heavy rain, frozen, and covered with snow, in fact, if I had been preparing for commercial purposes I would have given up in despair; however, to make the best of the situation I made the bed up, put in my glass and waited for results.

After four days, seeing the glass had remained at 58 degrees, I determined to spawn at once, believing it would not rise to a suitable temperature. After spawning the bed started to rise until after one week it had risen to 110; opening the bed and examining the spawn I found it to be very light in color and hot as if it was useless; however, I opened up the bed all around and allowed the steam to escape. Remaining at 110 degrees four days it commenced to drop, when at 80 degrees,



MUSHROOM BED

On Summer Estate of G. P. Grant, Jr., Concord, Mass.

which is high to cover with soil, I soiled and covered with straw.

English and Pure Culture spawn was used. The P. C. evidently stood the test best as shown on the front end of the bed. After six weeks mushrooms appeared and on May 8th picking was commenced. Thirteen good pickings had been made up to the time it was photographed June 1st, and it looks as if it will be in bearing for some time to come.

In spawning beds at 90 degrees or slightly over it is generally put on the bed just deep enough so that it is as a rule flush with the outside of the bed, so it can readily be seen what my bed was subject to in the line of heat.

Harold Edgar

HORTICULTURE

VOL. XIII

JUNE 17, 1911

NO. 24

PUBLISHED WEEKLY BY

HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

 One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To
 Canada, \$1.50.

ADVERTISING RATES.

 Per inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.

Page and half page space, special rates on application.

 Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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Improving the Exhibition

In the "upward revision" of the rules and regulations regarding the annual convention exhibition of the S. A. F. as announced in our recent report of the doings of the Executive Board the influence of the National Flower Show at Boston is plainly seen. After its experience at Boston which was certainly an eye-opener, the Society is justified in assuming a position of more confident firmness in the establishment and enforcement of regulations more in accord with the practice in other lines of similar industrial enterprise. The ruling as regards display signs will perhaps meet with the most opposition but its wisdom and fairness are evident and the general appearance of the exhibition will be more in keeping with what the people are justified in expecting from the representatives of a profession in which refinement and good taste are supposed to be particularly well developed.

We commend to the special attention of our Hail readers who own greenhouses, the little talk on hail and hail insurance, by John G. Esler at New York, which appears in this issue. It happens to be a most timely subject and one that was brought home in a most forcible manner at the very time when Mr. Esler was speaking, to a large number of growers about Baltimore as our news notes from the stricken district indicate. Mr. Esler remarked that it is usually after and not before a hailstorm that a man makes application for insurance—a statement unfortunately true but entirely in accord with human nature ever since the world began, we presume. As to the attitude of the S. A. F. towards the Hail Association, Brother Esler knows full well that the S. A. F. has been at all times friendly and we do not think he will be disposed to disagree with us when we say that the success achieved by the Hail Association was only possible through an independent organization such as was formed as the outcome of the S. A. F. discussions.

There are unmistakable signs of the approaching end of the flower-buying season in and about the centres where fashionable society doings are the source and support of a large part of the florists' business. This early close of the season is attributed by some to the exodus to England to witness the coronation pageant. That event may have more or less influence in the present case but it is, nevertheless, a fact which all city florists can vouch for, that the term of metropolitan gaieties has been going through this shortening-up process steadily for quite a number of years—commencing later and ending earlier and thus gradually shrinking at both ends. There are other and various explanations put forth but we have no doubt that the rapidly growing appreciation for country attractions and rural pastimes, aided and abetted by the automobile is really the controlling factor in this trend of the people's fancy away from the florist and his flowers for so large a part of the year.

Thus, through the seasonable seductions of the out door life the florists' exotic offerings are neglected, the garden and the park encroaching upon the cut flower's position in like manner and with like effect as the greenhouse plant grower has stolen a march on

The gardeners' opportunity

the Christmas and Easter flower trade. Surely it is time that the cut flower business as a distinctive industry should seriously consider ways and means for self-protection. As for the gardener, it is easy to see that his art is growing in prestige and importance and he should see to it that he, himself, shall keep up with the vast movement which, properly utilized, means so much to him. He has now in sight the greatest opportunity ever opened to him in this or any other country. While deploring anything which tends to interfere with or obstruct the popularity of the flower business, we look upon the remarkable growth and development of the garden passion as a most inspiring and hopeful augury for the advancement of American horticulture in its highest quality.

Seasonable Notes on Culture of Florists' Stock

BEGONIAS

Now is a time when all flowering begonias root with the greatest of ease. An ideal place is a shaded house where the ventilators can be adjusted so as not to have sweeping air currents blowing through it, with an atmosphere that is charged with a reasonable amount of humidity. The new side growths including such as come directly from the base of the plant make the most satisfactory cuttings. When rooted they should be potted off into 2½ or 3-inch pots, in sandy loam, leaf mold and sand. In the shifts after this use a turf-like, crumbly soil three parts, well decayed cow manure one part, and enough of leaf mold and sand to lighten the mixture. The floors and benches should be kept cool by frequent wettings during the hot weather. For shading the house, a thin mixture of naphtha and white lead will do.

NERINES

When the foliage of nerines begins to turn yellow it shows that they are finishing up their growth. Place them outdoors on a bed of coal ashes and gradually diminish the amount of water. When all the foliage assumes a golden hue the pots should be laid on their sides on a sunny bank high piece of ground where they will not be likely to get much water. They can be given this treatment until the middle of September when they should be moved into a frame or cool greenhouse. When the flower scapes make their appearance remove about an inch of the surface from top of the pots and give a top dressing of rich compost. As they begin to make fair growth they will take an abundance of water with overhead syringing. Give an application of liquid manure once a week.

ORCHIDS

The judicious use of liquid stimulants for orchids will increase vigor and strength. All terrestrial orchids like an occasional weak dose of manure water in their growing season. Such as calanthes, cymbidiums, cypridiums, phaius, pleiones, sobralias, thunias and others are benefited by feeding providing they have plenty of strong roots. With epiphytal orchids there are some

growers who condemn it entirely, while others think it impossible to grow orchids without its use. The Cookson formula is very good. It can be made by mixing three ounces of Potassium nitrate and two ounces of Ammonium phosphate in a three-gallon jar. When feeding orchids use one ounce of this solution, to a gallon of water, but all this feeding must be done with great care or harm will result. Give weak applications of liquid feeding, say at intervals of about ten or twelve days. Dendrobium Phalaenopsis should be suspended in a warm moist house close to the glass. Syringe in the middle of the afternoon and close the house down early enough to cause a moist atmosphere, for most dendrobiums just revel under these conditions. Provide a proper gentle circulation of fresh air, without any cold draughts.

PANSIES FOR WINTER FLOWERING

Now that you have plenty of room in cold frames, a good lot of pansies should be started for next winter's flowering. They can be sown any time within the next two weeks on a well dug and finely made soil. Sow the seeds in drills about four inches apart. When plants are large enough to handle they should be transplanted to stand about nine inches apart each way, if you want good-sized clumps with vigorous bushy crowns and a densely fibered ball of roots that will be ready to plant out in the house in October. Give plenty of water always. The plants should be pinched back frequently.

ROSES CARRIED OVER

Water should be gradually withheld from all plants to be carried over so as to ripen up the wood. They should be well syringed twice a day for a few weeks which will help keep the wood plump while being rested. Roses thus treated will lift well. When you lift your plants look them over carefully and trim out all the weak wood, pruning the good wood back to about a foot. After the plants are set and well firmed down give them a thorough watering. From now on the general routine of work will be syringing which should be done several times daily, ventilating, watering and weeding. Keep the surface of the beds stirred to prevent an accumulation of weeds. Stake and tie as soon as necessary. Give close attention to all their wants whether big or small items, which is generally the secret of success.

SMILAX

In selecting a place for a bed of smilax it should be borne in mind that smilax wants at least 60 degrees of heat in the winter and at least ten feet for head room. They like a heavy turfy loam and good barnyard manure in equal parts. Vigorous plants coming out of either 3 or 4-inch pots make ideal stock. Allow a foot between the rows and about nine inches between the plants in the rows. Don't allow the young trailing shoots to ramble and become twisted before you string them, but run the strings up for the young plants soon after they are planted. Syringe twice a day to prevent red spider and help the plant to sustain itself while developing its foliage. Keep a well ventilated and moist growing temperature. Let the strings be well ripened before you start to cut them.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Asparagus plumosus; Care of Asters; Hydrangeas; Pelargoniums; Stocks for Next Winter; Summer Care of Palms.

CLUBS AND SOCIETIES

THE HORTICULTURAL SOCIETY
OF NEW YORK.

A meeting of the society, accompanied by an exhibition, was held Saturday, June 10th, at the New York Botanical Garden, in Bronx Park. The exhibition, which was held in the basement of the large Museum building, was also open on the following day, Sunday. Prizes were offered for roses, peonies, shrubs and trees, and herbaceous plants. Mr. T. A. Havemeyer made a large exhibit of peonies, irises, and rhododendrons and azaleas. Mrs. F. A. Constable sent a collection of choice peonies and roses. A large collection of roses was staged by Gen. E. A. McAlpin. The display of peonies by the Cottage Gardens Co. was superb.

The next exhibition will occur at the same place, the Museum building of the New York Botanical Garden, on Saturday and Sunday, July 1st and 2d. Prizes will be offered for Japanese irises, outdoor roses, sweet peas, herbaceous plants, shrubs and trees and vegetables. Address all communications to the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City, who will be glad to send schedules.

The following are the awards made at the exhibition held on June 10th and 11th:

Three white peonies, 6 flowers of each, T. A. Havemeyer, A. Labodny gardener, first; 3 light pink, 6 flowers of each, T. A. Havemeyer, first; 3 rose, 6 flowers of each, T. A. Havemeyer, first. Collection of single peonies, T. A. Havemeyer, first. General collection, Cottage Gardens Co., first; Mrs. F. A. Constable, Jas. Stuart gardener, second. Hardy roses, Gen. E. A. McAlpin, John Woodcock gardener, first; Mrs. F. A. Constable, second. Flowering shrubs and trees, H. Darlington, P. W. Popp gardener, first. Hardy rhododendrons and azaleas, T. A. Havemeyer, first. Irises, T. A. Havemeyer, first; John Lewis Childs, second. Best orchid plant, C. Moore, J. P. Mossman gardener. Special prizes were awarded to: John Lewis Childs, certificate of merit for Philadelphia Virginia; Bobbink & Atkins, special mention for a collection of herbaceous plants; John Lewis Childs, special mention for a collection of gladioli; Julius Rebers Co., special mention for a collection of cut orchids; T. A. Havemeyer, special mention for a collection of hydrangeas.

GEORGE V. NASH, Secretary.

AMERICAN ASSOCIATION OF NUR-
SERYMEN.

Extract from report of John Hall, Secretary. Presented at St. Louis meeting, June 14.

It is to be regretted that in large organizations of such practical value as this there are annually recurring fluctuations in the membership. Over forty of those whose names were on last year's list failed to renew the current year. Each one of these delinquents has received from the secretary at least two, and, in some cases, more reminders of the importance of renewing. But there is another and a brighter side to the situation. He early began to surmise that there would be a shrinkage, and being somewhat of an optimist is not easily discouraged. Heeding the declaration of Richelieu that "there is no such thing

as fail," he at once entered upon a widespread campaign after new material. This has resulted in our not only making up the loss referred to but of bringing the enrollment for this year to a point over thirty in excess of last year's registration. If members have not already made an analysis of the membership roll with reference to representation by localities we commend such a study as affording considerable food for thought and some interest as well. As an illustration I will mention the states having representation of six or more, viz.:

Colorado,	6	Iowa,	12
Connecticut,	6	Kansas,	21
Illinois,	25	Michigan,	20
Indiana,	15	Missouri,	19
Nebraska,	10	Oklahoma,	6
New Jersey,	8	Oregon,	6
New York,	78	Tennessee,	13
Ohio,	28	Texas,	9

I trust that this reference may awaken a new interest among members, even to the creating of a friendly rivalry to see which state can next year make the largest addition to its present representation.

FINANCIAL STATEMENT.

Dec. 14, 1910, to June 3, 1911.

1910			
Dec. 14.	Balance after closing last year's account.....	\$233.65	
1911			
June 3.	From Memberships.....	1,850.00	
	" Advs. in Badge		
	Book	662.00	
	" Extra Badges.....	25.50	
	" Exchange .....	.40	
	" Codes .....	.30	
		\$2,771.85	

1910			
Dec. 14.	Cash to C. L. Yates, Treas.	\$233.65	
1911			
June 3.	" " " "	2,500.00	
	" " in Union Trust Bank.	38.20	
		\$2,771.85	

This amount will be added to by unpaid bills and new memberships.

WESTCHESTER AND FAIRFIELD
HORTICULTURAL SOCIETY.

At the regular meeting held in Stamford, Conn., Friday evening, June 9th, 85 members were present. The preliminary schedules for the fall show were distributed. Pres. Stuart appointed a committee of seven to assume charge of the floral display connected with "Wonderland" Fair and Bazaar, to be held in Stamford, June 14-17, for the benefit of the Day Nursery.

The Society will hold its first annual outing and games next month, executive committee to make arrangements and report at July meeting.

Judges' report on exhibits was as follows: Chas. Adcock, lettuce, four varieties; Jas. Stuart, Aquilegia long-spurred hybrids, and Carrillo & Baldwin, Dendrobium thyrsoiflorum, highly commended; A. S. Peterson, Jas. Aitchison, peonies, and P. W. Popp, peonies and Spiraea Queen Alexandra, vote of thanks.

Several new members were introduced and much impressed with our large attendance and fine exhibits. Pres. Stuart spoke of the large number of classes in schedule for fall show and urged the members to secure prizes for same, which without doubt will be the largest and best ever held in this section.

J. B. McARDLE, Sec'y.

AMERICAN PEONY SOCIETY.

The American Peony Society convened at Philadelphia, Pa., on the afternoon of June 8, as briefly recorded in our last week's issue.

Winthrop H. Thurlow, in the absence of A. H. Fewkes, acted as secretary.

Address of President Farr at Opening
of Philadelphia Meeting.

The passing of another year marks the ninth in the history of the American Peony Society, and it is gratifying to see again so many faces that have become familiar from having met them as regular attendants of so many former meetings. This loyalty of the older members, the steady increase in membership of the society, and the interest taken in the present exhibit are encouraging evidences of the continued popularity of the Peony, and of the enthusiasm which still animates the members of its society. Though but a handful in numbers you are to be congratulated on the success which has so far attended your efforts, for the solution of the problem of the Peony nomenclature is such a vast and difficult undertaking that it would not have been surprising had the work ended in failure. That such is not the case is due to the perseverance and determination of the members of the society aided by the efficient support given by the authorities of Cornell University, and the generous contribution of plants from the most prominent growers in this country and in Europe. Small as our membership is, it is doubtful if any similar society has ever conceived, carried out and concluded an operation of this kind on anything like as complete and comprehensive a scale as the Peony test at Cornell.

For the information of those who have not kept fully in touch with the work at Ithaca I will state that there have been two bulletins published in addition to the preliminary check list and a third is now ready for the printer, covering the work accomplished to date. The first bulletin prepared by Dr. J. Elliott Coit contains a history of the Peony, notes on cultivation, etc., and the preliminary work of nomenclature with a description of some fifty varieties. The second bulletin known as No. 278, covers the work of the special committee in 1909, when the principal work of identifying the vast collection in the Cornell plots consisting of 1933 lots under approximately 1600 names, was seriously begun. Descriptions in detail were taken in 235 varieties besides revising the descriptions of the 50 varieties of the previous bulletin which were taken before the plants were mature, and it was found necessary to alter the descriptions in many cases after seeing the mature plants, making altogether 285 varieties, of which descriptions were published up to 1910. In the year 1910, 285 additional varieties were identified and described together with 55 synonyms; also a list of 100 best varieties for cut-flower purposes and 100 best varieties for landscape effects were added, all this to be comprised in the next bulletin soon to be printed, making altogether about 570 varieties that have been described in every detail of foliage, habit of growth, frag-

rance, value commercially, and accurate records taken of the colors as compared with the color chart of the French Chrysanthemum Society which has been adopted as the official color chart of the American Peony Society.

A large number of names appearing in the Cornell plot cannot be traced to any authentic origin and are without, doubt, in most instances, old varieties, re-named. A still larger number were recognized as synonyms of well-known varieties, such kinds as *Eduhis Superba*, *Whitleyii*, *Fragrans*, etc., appearing under as many as 25 to 30 different names each. After eliminating all of these synonyms there are probably not more than four or five hundred distinct varieties in the Cornell plot, excluding Mr. Hollis' collection of upwards of 100 seedlings which have been named, and a collection of seedlings under number from Goos & Koenemann. It will be seen at once therefore how thoroughly this committee has covered this field with the upwards of 600 varieties that have been described—more varieties in fact than are actually to be found at Cornell. This is accounted for from the fact that many well-known, authentic varieties were not included in the Cornell planting, and the committee has supplanted its work at Cornell by visits to other large collections where these additional varieties could be found. Among the places visited by the committee in 1910 were the Peony fields at Wyomissing, Andorra, Cottage Gardens, Geo. E. Hollis, T. C. Thuriow's Sons and E. J. Shaylor. The few varieties still unidentified at Cornell are mostly inferior sorts or those of such obscure origin that identification is practically impossible.

The first collection at Cornell having therefore served its purpose, steps should be taken to bring this portion of the test to a close and to dispose of the plants, which according to the original agreement, belong to the society excepting three of each kind which are to belong to the university for a permanent planting of established varieties. This has already been accomplished for a new planting of three of all varieties described in the original plot have been planted in a new section, and represent the completed work and at the same time the share of the Peonies which are to belong to Cornell.

In addition to the original planting there is another later one consisting of a series of collections from a number of growers of their best varieties for the purpose of determining by comparison the varieties best adapted for commercial use and for landscape work, and of compiling a list of 100 of the best varieties for these purposes. According to agreement these plants are to be eventually returned to their original owners. They have reached full development, and from them the committee has prepared a tentative list of the 100 varieties to be submitted to the society for discussion and approval.

Under the circumstances it would seem as if Ithaca would be the logical place for the society to hold its next business meeting, as by that time the new lots will have reached perfection, and members may then have an opportunity of seeing and judging the completed work of the committee. Whether it would be advisable to hold a com-

petitive exhibition there at the same time or to depend for an exhibit on the flowers from the Cornell plots, is a matter to be considered. A suggestion has been made that it might be well to exhibit in several places next year, selecting points east, west, north and south so that all members might have an opportunity to exhibit at a point easily accessible and within their latitude.

Our experience in Philadelphia this year shows the futility of attempting to arrange a date to accommodate a latitude different from that in which the exhibit is to be held, emphasizing the fact that the show should be held as far as possible to give the best accommodation to the local competitors upon which the exhibit must depend for its best display. The unforeseen and unprecedented weather conditions are largely at fault this year, but the fact remains that the season for our local growers is so nearly over that it is difficult for them to show any but their latest varieties. That we are able to have so good a display is due to the energy and enthusiasm of exhibitors from a distance to whom we are greatly indebted for their contribution to the success of this exhibition.

Regarding the future work of the society much remains to be accomplished. There are still many varieties that are well known and in commerce especially among the later introductions that it is desirable to add to our official list. The committee is still engaged in this work which must be done by individual effort in the various collections. This work is comparatively easy, being merely to have the opportunity of seeing and describing these remaining varieties which, being of later origin are not difficult to identify, and we are assisted in the remaining part of the work by the long list of varieties we now have which serve as a key for comparison and make the remaining work comparatively easy.

The next great work which the society, in my opinion, should bend its efforts toward is the publishing of a Peony manual which should be the final revision of all the work heretofore accomplished, and which should stand as the official manual or catalog of the American Peony Society. The publishing of this work should, in my opinion, be done by the society, and when completed can be made a valuable work that will find a ready sale, which will eventually repay the cost of publication. The cost of such a work will be considerable, and should not be undertaken until the present work has withstood the test of criticism and all corrections made that are possible, and until the finances of the society are in a condition to carry out the project.

It was with some such thought in mind that a number of the members in going over the matter, volunteered to make contributions toward the premium list this year which would save to some extent the depletion of the treasury of the society, that has necessarily followed each year the offering of a long premium list by the society, and which had to be made up from the small income derived from the annual dues of its few members. When this matter was mentioned to others a very generous response was made, and the society has reason to feel grateful to

those who have so generously assisted in raising the premium fund this year, as by so doing they have helped in a great way toward the fulfilment of the ultimate end in view.

Report of the Secretary, 1911.

The present membership of the society is sixty-two, not including five honorary members.

Once more we are called upon to record the death of a charter member, George Hollis, of South Weymouth, Mass. He had been in feeble health during the past year, his death occurring in April. He was a quiet, genial gentleman, a great lover of flowers, and had for many years made a specialty of the peony, raising many seedlings, a number of which, when better known, will rank among the most choice varieties. One of his latest productions was the variety "Loveliness", and it is all its name implies. In his death the society loses a member whose interest in the peony was not due to mercenary or entirely to commercial motives, but rather to a true love for the flower and a wish to make its beauties more widely appreciated.

It is gratifying to note the increased interest that is being taken by the amateurs in our society, as is indicated by their applications for membership, and it behooves the commercial element among our members to take cognizance of this fact, for it is largely upon the amateur that the dealer in peonies must depend in future for his best trade. This is one of the factors which should be taken into consideration in the framing of the future policy of the society. The utmost encouragement possible should be extended to the man who grows the peony from a pure love for the flower and admiration of its many varieties; the man who makes them his hobby, as distinguished from the man who grows them because some particular variety in quantity makes a big mass of color in some particular spot in his garden.

The exhibition last June, in connection with the Boston meeting, was a very creditable one, considering the peculiarities of the season. There were several large and fine displays by growers about Boston, but all the competition for the prizes was by growers outside of the state.

A. H. FEWKES, Secretary.

Report of Committee on Nomenclature.

The peony plantation is now almost in full bloom; although it was two weeks late at the middle of April, it is now ten days ahead of time, owing to the excessively dry and hot weather, which visited this region in common with the whole northeastern country during the latter part of May. I may add that, the result of last year's studies made by Mr. Farr, Mr. Dauphin and Mr. Batchelor, have been compiled by Mr. Batchelor, and are now ready for the printer. Our printing establishment is rather congested at the present time with the bulletin-matter from various departments, and it will be quite impossible to get the bulletin out to be of any service the present season. The reprint of Bulletin 278, made possible by the generosity of a peony lover and enthusiast of New York, is now available for dis-

tribution, and I trust will be made use of by all persons interested in peony culture. This bulletin is only sent outside of the State to members of the Peony Society and to officers of the State Experiment stations interested in horticulture.

Wishing you a very successful meeting, and assuring you and the members of the Society of our desire to co-operate in the fullest manner possible in your good work, believe me.

Yours sincerely,

JOHN CRAIG,

Comm. on Nomenclature.
Cornell University.

A letter was read from Secretary Fewkes enclosing his resignation from that office. Mr. Brown voiced the regrets of the Society in losing a secretary who, since its organization, has filled the office faithfully and efficiently. He moved and it was voted that the resignation be accepted with regret. The following officers were elected: President, B. H. Farr, Reading, Pa.; vice-president, C. J. Maloy, Rochester, N. Y.; secretary, A. P. Saunders, Clinton, N. Y.; treasurer, J. H. Humphreys, Chestnut Hill, Phila.; director for three years, E. A. Reeves, Cleveland, Ohio.

The following question was read for discussion: "What shall be considered the proper size of a plant for the retail trade?" An interesting discussion ensued and it seemed to be the opinion of those present that a "three to five eye" or wholesale division should be grown a year to make a strong plant for retail.

On the question "At what stage should a peony blossom be cut to get the best results as a cut flower?" there was also considerable discussion. It was generally considered that a bud should be cut just as it was breaking into the bloom, but Pres. Farr remarked that some varieties such as Madame Lebon should be left on the plant a little longer. Mr. Brown thought this question would be a valuable one to discuss at the next meeting. The cut flower business in peonies is increasing every year.

The Exhibition.

The vestibule of the hall was occupied by the splendid exhibit of the Andorra Nurseries. This firm, E. A. Reeves, and Bertrand H. Farr, were the stars of the show and reaped a rich reward in glory and orders. Cornell University sent a nice collection of well-grown blooms, which were much admired. Jno. Lewis Childs exhibited some fine gladioli of the new and choice sorts like Europa and Sulphur Queen, also two vases of Calla Elliottiana—very well-finished flowers.

The Meehan prizes for best paintings of peonies were awarded to the exhibits of Miss Elizabeth Chase Burt and Helen K. McCarthy. We are not artists, but of all the rank decisions of a committee—as Gordon Smirl used to say when he got the worst of it on 'mums, "sich jedging!" There were twenty-five entries.

W. W. Harrison, Glenside, Pa., exhibited a collection of out-door grown roses (not for competition).

Henry A. Dreer exhibited a fine collection of hardy roses, embracing some fifty varieties of the most popu-

lar favorites of the day. This proved a great attraction to the show. Hoopes, Bro. & Thomas, on the second day, sent in a fine exhibit of their new climbing roses. These proved a centre of interest. James Farrell their foreman, who is recognized as a leading hybridizer—and worthy of being classed with Dawson, Walsh and other pioneers in the rose world—stated that he considered their "Purity" climber to be one of the best things they had got yet. This will not be sent out until next year. Their Christine Wright is already on the market. Seedling No. 36 looks very much like an improved American Pillar. Their seedling No. 46 is a great improvement on the original White Rambler—flowers three times the size and borne in the greatest profusion. Columbia is very delicate in its coloring and beautiful in the bud. No. 65 is three times the size of Crimson Rambler, and will give even more bloom than that remarkable variety. All the sorts mentioned from Hoopes are the work of Mr. Farrell.

Peony Awards.

Collection of named varieties: Cottage Gardens, first; B. H. Farr, second.

Fifty blooms white, George H. Peterson, first; E. A. Reeves, second.

Fifty dark pink, E. A. Reeves Cottage Gardens Co.

Fifty salmon, S. G. Harris, Tarrytown, N. Y.

Fifty crimson, Cottage Gardens, E. A. Reeves.

Twelve varieties, F. B. Van Voorst.

Twenty-five pink, E. A. Reeves.

Twelve pink, S. G. Harris.

Rose Awards.

Twelve hybrid tea, Miss Gertrude Ely.

Eighteen remontant, W. W. Frazier.

The judges were J. H. Humphreys, Chestnut Hill, Philadelphia, Pa., W. W. Kline, Sinking Spring, Pa., and W. H. Thurlow, West Newbury, Mass.

It was voted that the next meeting be held at Ithaca, N. Y., and a committee was appointed to consider the advisability of holding auxiliary meetings in different localities. Resolutions were passed on the death of George H. Hollis of South Weymouth, Mass., also thanks for the hospitalities shown by the Pennsylvania Horticultural Society.

MASSACHUSETTS HORTICULTURAL SOCIETY.

At the Rhododendron Exhibition on June 10-11, 1911, the following awards were made for plants and flowers:

Orchids—Display of 25 plants arranged for effect with foliage plants: 1st, J. T. Butterworth; 2d, Mrs. J. L. Gardner, 3d, J. T. Butterworth.

Gold Medal—E. J. Shaylor, collection of peonies.

Silver Medals—R. & J. Farquhar & Co., display of peonies, iris and other plants; Walter Hutton, Calla, Cattleya, Wellesiana.

Bronze Medal J. T. Butterworth, specimen *Miltoia vexillaria*.

First Class Certificate of Merit—F. J. Rea, new aster, *Amellus Beaute Parfait*; Langwater Gardens seedling, *Cattleya Lodigesii* x *Laelia purpurata* alba.

Cultural Certificate—J. T. Butterworth, specimen *Cattleya Mendelii* Morganiana.

Honorable Mention, Milton Lockwood, new hybrid peony, *L'Esperance*; R. & J. Farquhar, display of tree peonies; R. & J. Farquhar, iris pallida.

Vote of Thanks—Walter Hunnewell, display of rhododendrons; Mrs. D. S. Greenough, hybrid columbines.

Gratuities—Mrs. J. L. Gardner, display of rhododendrons; T. C. Thurlow & Sons Co., peonies; Wm. Whitman, peonies; Mrs. J. L. Gardner, peonies; Harvard Botanic Garden, water lilies; J. T. Butterworth, orchids; Wm. Whitman, palms and Canterbury bells; Mrs. E. M. Gill, cut flowers.

NEW YORK FLORISTS' CLUB.

The meeting of the New York Club on Monday evening, June 12, was a good one, full of animation. The three essayists were all on hand and read their papers—John G. Esler on Hail Insurance, Robert MacNiff on The Auction Business, and L. W. C. Tutbill on Advertising, the latter bringing out quite a lively discussion and general approval of the views expressed.

There were numerous committee reports. Resolutions of condolence on death of John H. Taylor were presented by W. F. Sheridan. Frank Traendly reported for the transportation committee recommending the "certificate plan" to the Baltimore Convention and it was voted that the members go in a body on Monday afternoon, August 14.

Among the exhibits shown was a *Cybotium* species from R. G. Wilson which the committee were not able to name and asked for further time. The same exhibitor showed also a new blush sweet pea. John Lewis Childs made a fine display, including gladioli, dwarf calla "Mrs. Roosevelt," and calla "Elliottiana," peonies La Coquette, Mme. de Galhan, Floral Treasure, Susie Mallard, Felix Crousse and Couronne d'Or. Cottage Gardens Company showed a fine collection of peonies.

Committees were appointed as follows: On death of daughter of Charles Schenck, Messrs. H. A. Bunyard, C. H. Totty and Robert Simpson. On the death of Chas. Armitage, Messrs. F. H. Traendly, H. A. Bunyard and J. Austin Shaw.

NEW JERSEY FLORICULTURAL SOCIETY.

The "Rose Night" of the Society was held Friday evening, June 9th, at Orange. There were not so many rose exhibitors as usual but the exhibits staged were excellent. S. M. & A. Colgate, Wm. Reid, gard., won the special prize for the best display. In the exhibits for points the orchid display was exceedingly fine. Cologynne Dayana by Lager & Hurrell, received 99 points. Thomas Jones showed a *Cattleya gigas* with 42 flowers which received 99 points. Joseph A. Manda had a fine *Oncidium rubes* for which he received 95 points. Cultural certificates were given to C. W. Ashmead for roses, Max Schneider for strawberries and Lager & Hurrell for *Dendrobium suavisima*. Certificates of merit to C. W. Ashmead for strawberries and Lager & Hurrell for *Brassavola Digbyana*. The judges were Malcolm MacRorie, John Hayes and John Deravan.

The Society will have an intermission during July and August. Dederick Kindsgrab will act as president for the rest of the term.

ST. LOUIS FLORIST CLUB.

The club held its 25th anniversary meeting on Thursday afternoon, June 8. According to Secretary Beneke the meeting was the best attended of the year. President Connon and all the other officers were present. Chairman Guy of the trustees reported that the invitations for the 25th anniversary banquet on June 28 had been mailed and that all arrangements are completed for this great event. The trus-

tees were instructed to arrange for the annual picnic to take place July 20. Chairman D. E. Weber of the Bulletin Committee called for more co-operation and made quite an interesting talk. Frank H. Weber, chairman of the Entertainment Committee for the Nurserymen's convention, made an interesting report. Henry Emmidt of Belleville, Ill., showed a sport of Cana King Humbert which was red on one side and green on the other, producing both yellow and red blooms on the same plant. On July 13 the nomination of officers takes place.

PARK SUPERINTENDENTS AT NEW HAVEN.

The Eastern Branch of the Association of Park Superintendents had a meeting and outing as guests of Superintendent Amrhyn at New Haven, Conn., on Saturday, June 10. Most of the day was devoted to sight seeing and social enjoyment. Headquarters were at the Tontine Hotel, but dinner was served at the Farm at East Rock in picnic style and greatly enjoyed. The visitors were conveyed by autos all through the various parks and the ascent of East Rock was made on foot and in carriage. A stop was made at the grounds of the Elm City Nursery Co. Among the visitors was Christopher Clark, 84 years old, the "grand old man" of Northampton, Mass., who extended an invitation to the Branch to hold its next meeting in Northampton in September. The invitation was unanimously accepted.

New Haven has a grand park system in which the two picturesque rocky eminences, East Rock and West Rock, 500 feet high, form a unique feature, and Mr. Amrhyn has carefully preserved all the natural attractions.

POSTAL EXPRESS FEDERATION.

At the Parcels Post Conference, New Willard Hotel, Washington, D. C., April 25-26, the committee on permanent organization presented the following resolutions which were adopted:

Resolved, That an organization be perfected to be known as the Postal Express Federation, to be composed of all persons, corporations and associations interested in the establishment of means whereby the Government of the United States shall, through its postal service, carry parcels and packages at reasonable rates.

And be it resolved, That a temporary Executive Committee of five be elected at this meeting, with power to appoint sub-committees to represent the several States and Territories of the United States of America, and to perfect a suitable organization for the end desired.

The following executive committee was then appointed: William T. Creasy, Catawissa, Pa.; F. F. Ingram, Detroit, Mich.; George J. Kindel, Denver, Colo.; F. W. Burkart, Buffalo, N. Y.; George P. Hampton, New York, N. Y., chairman.

Bills have been introduced in Congress embodying the recommendations of the conference. All friends should write their Congressmen at once, to use their influence in favor of immediate action along the lines recommended by the Postal Express Federation, and as set forth in the Sulzer bill, H. R. 9844, and Howard bill, H. R. 8386.

All associations, corporations, firms and individuals favoring a modern parcels post are urged to send in their names at once to George P. Hampton, 53 Bliss building, Washington, D. C.

NATIONAL SWEET PEA SOCIETY.

Owing to the slow development of the growth of sweet peas this season, the society has decided to advance the date for annual exhibition at Philadelphia to June 29-30. Schedules are being mailed to members, and can be had upon application to David Rust, Horticultural Hall, Philadelphia, or to the secretary, Harry A. Bunyard, 342 West 14th street, New York City.

H. A. Bunyard, George Kerr, M. C. Ebel, George C. Watson and others were the guests of W. Atlee Burpee at dinner at Dooner's on the 8th inst. The Sweet Pea Society's affairs were talked over and programs and policies for the good of the society were given a good forward boost. Mr. Burpee has made an earnest effort to arrange his international engagements so as to be present in person.

CLUB AND SOCIETY NOTES.

The Milwaukee Florists' Club met at the Hotel Blain on the evening of June 1. There were several talks, following which the members enjoyed a dinner. About seventy-five attended.

Arrangements have been made by the Albany Florists' Club for a family clambake to be held late in August. Frederick Goldring has invited the club to meet at his place, Font Grove, Slingerlands, on the evening of July 6.

The annual picnic of the Gardeners' and Florists' Club of Boston, has been arranged for July 26th, and is to be held at Caledonian Grove, West Roxbury. Ladies' Night will be observed with due ceremonials next Tuesday evening.

The St. Louis Ladies' Home Circle held a day's outing at O'Fallon Park on June 12. Miss Matilda Meinhardt, secretary and treasurer of the Circle, is traveling in Europe this summer and Mrs. Steidel, president, has taken up her duties. They will have several of these out-door meetings this summer.

The regular monthly meeting of the Cincinnati Florists' Society was held in Jabez Elliott Flower Market, Monday, June 12. The following members were nominated for office to be balloted upon at the annual meeting to be held July 10: For president, C. E. Critchell and Gus Adrian; vice-president, Wm. Murphy and Ray Murphy; treasurer, E. A. Foster; secretary, A. Ostendarp; directors, Herbert Green-smith and Al. Heckman, Jr.

SUMMER SCHOOL AT CORNELL.

Announcement is made of the first opening of the Summer School in Agriculture of the New York State College of Agriculture, Cornell University, July 6—August 16, 1911. A copy of the calendar, with rules for admission, fees, courses of instruction, lectures, excursions, etc., may be had on application to Albert Russell Mann, Secretary to the College of Agriculture.

J. F. Rosenfield, who has a ten-acre field at West Point, Neb., has announced that this will be his last year in peony culture in Cuming County. He has bought a forty-acre tract of land near Omaha, upon which he and his son, Reno, have planted 55,000 peonies.

Obituary

Mrs. J. M. Charlton.

Mrs. J. M. Charlton, wife of J. M. Charlton, of John Charlton & Sons, nurserymen, Rochester, N. Y., died May 27.

John Jorden.

John Jorden died at his home, Geneva, N. Y., on May 28, aged 73 years. Mr. Jorden was for many years a nurseryman and had resided in Geneva since he was three years of age. About 15 years ago he retired. He leaves one sister and one brother.

John Flanagan.

John Flanagan, landscape gardener, died at the home of his daughter in Berkeley, Calif., on June 1, aged 85 years. He retired from business about five years ago. He spent over forty years in Cambridge, Mass., before going to California.

Otto Kaiser.

Otto Kaiser, a local florist at Jarrett Town, a suburb of Philadelphia, died on the 9th, aged 78. Mr. Kaiser grew a general collection of plants and did a local business only and in a limited way, consequently he was almost unknown except to a few of the trade of the present generation.

NEWS NOTES.

Woodstock, Conn.—F. H. Miller has installed a thousand gallon compressed air tank to supply water for his greenhouse.

Grand Rapids, Mich.—Plants covering a space of 2 acres and totaling 32,000, represent the tomato business of the Grand Rapids Greenhouse Company. Forty bushels are being picked and shipped daily, and are competing favorably with the Texas and other southern tomatoes at present on the market.

Waltham, Mass.—A deer was grazing peacefully in the outskirts of Waltham (Allan Peirce's bailiwick) yesterday afternoon when another deer came along. She was not only in the outskirts of Waltham, but also in a hobble skirt.

It was too much for the deer. He apparently went violently insane and dashed through Main street with an ever increasing crowd giving chase. Doubtless believing the deer in the hobble skirt was close upon him, the deer stopped when opposite the greenhouse of James Silman and, with a groan of despair, leaped through the glass roof.

When the deer was extricated, he was badly cut, and his right foreleg broken.

He was taken to the city stables, where City Veterinary W. E. Peterson tried to save his life, but without success. The deer caused a damage of \$200 in the greenhouse.

There was an unconfirmed rumor last night that the S. P. C. A. officials were undecided whether to attempt to have hobble skirts abolished or put blinders on the unprotected and unsophisticated wild animals.—*Boston Journal.*

A TALK ON ADVERTISING.

L. W. C. Tuthill Before the New York Florists' Club.

Your good committeeman, Shaw, is to blame for this! Honest Injun, I am guiltless. Take it out on him, and jolly me along; for Ad. men are a thin-skinned, sensitive lot; their business makes them so; they have to tell the truth; that is, if they want to stay in business.

Three years ago a boiler man blew into our office and said he had some money to spend, telling the good, dear public that his boiler was the best on earth—a world beater—a nine-day wonder, and all that sort of bombast. After a couple of hours' talk we told him we would take his account under one condition; and that was, that he send, at his own expense, one of his wonder boilers to my home in the country, and install it. Then I would give it a month test of every conceivable kind. If the boiler panned out as he claimed, we would frame up the Ads. accordingly. If it didn't, we would tell exactly what it would do—and no more. Did he stand for it? He certainly did not. Why? Because he knew his boiler would not stand up to his extravagant claims. And he knew we knew it. Still he thought his exaggerations on paper would sell his boiler. He thought that was what one was licensed to do in an Ad. He went to another agency and placed the business with them. For two years they have been running "hot air" Ads. of the most virulent type. Yesterday, that same man walked into the office and said his company is now ready to do business with us, based on our original proposal. The "Hot Air" hadn't paid.

This incident illustrates in a nutshell, the advertising situation of today. Exaggeration must go. The truth, only, pays.

Last week I was standing on the corner of 28th street, talking to one of your prosperous commission men, when one of the "has beens" passed along. I remarked: Brown isn't the man he used to be, is he?

To which our friend replied—"No, and he never was." Advertising—real advertising—never was anything but telling the truth. It never was a mystic something, into the hopper of which we could pour a few plugged dollars, and get a bag of golden coins at the other end. It never was a gamble. It never was one of the necessary evils that the publishers' fiends incarnate schemed up to harass business men and entrap their hard-earned coin. But it is the biggest, strongest factor in business today. Next to money—it is the most essential. Science records things; but advertising makes things live.

Elbert Hubbard, in one of his recent preachments on the Red Blood in advertising, says:

"The reputation that endures, or the institution that lasts, is the one that is properly advertised. But of all Ambassadors of Advertising and Bosses of Press Bureauism none equals Moses, who lived fifteen centuries before Christ. Moses wrote the first five books of the Bible, and this account includes a record of the author's romantic birth and of his serene and dignified death. Moses is the central figure in the whole write-up. Egyptian history makes not a single mention of Moses or the Exodus, and no record is found of the flight from Egypt save what Moses wrote. At best it was only a few hundred people who hiked, but

the account makes the whole thing seem colossal and magnificent. And best of all, the high standard set has been an inspiration to millions to live up to. What turned the trick? I'll tell you—the writings of Moses, and nothing else. So able, convincing, direct and inclusive were the claims of Moses that the world, absolutely, was won by them. In the Mosaic code was enough of the saving salt of common sense to keep it alive. So it lived and keeps on living. All literature is advertising, and all genuine advertising is literature."

And Hubbard ought to know, for he doubtless does more successful advertising, both personal and otherwise, than any one man in the country.

The peculiar thing about advertising is that pretty much everyone thinks he knows just how it ought to be done. If you and I were to start in the business of growing roses; the first thing we would do would be to get a good foreman—a man who thoroughly understood roses and how to grow them. If we want an automobile we don't go to a blacksmith; but if we want to do some advertising, then that's different—we can do that ourselves. That's easy! Or, we ask some friend who is free with his pen, to get up something snappy. What happens? In the first place the man who owns a business is generally so near his business that he can't see it. He has lost the sense of how the other fellow—the fellow he wants to land—looks at his proposition from the outside. So he starts off his wonderful Ad. with the usual extravagant claims, and says:

"My rose is the only rose for you to grow this season. It has 49 petals to every bloom, against 42 3-16 of its nearest competitor. Get in line. First come, first served. Don't delay! Send your order today. If they are good enough for John Birnie, they are good enough for you. Greatest money maker of the season. Order now!"

Now every word of that Ad. is true. But what selling power has it? What actual reasons has he given why you should let loose your good money for his blooming old rose? Suppose he had told a frank story, just as he would if talking directly to a customer; suppose he had said:

"Last season it was plain to be seen that the public had grown tired of pink roses, and wanted yellows. That's why I am so happy—I have a yellow that's going to be a winner—and it's a Killarney, too. It's an unusually free bloomer—has long stems and a deep, rich green foliage. Its silken sheened petals glow like gold. Its buds are big, solid, dependable ones that ship splendidly and stay half open for a surprisingly long time. Remember that last point—it's a thing your commission man is always howling for. I am going to sell 150,000 of my stock of 250,000 cuttings. How many do you want? Better step lively—you know that a new Killarney always goes like wild-fire."

Such an Ad. actually tells something about the rose—its qualities—its superior points—it has *some selling power*. In your opinion, which Ad. gets the business?

On the other hand, your friend with the easy pen, writes the Ad. and feels that it is of first importance to make it funny. He says: "That is the thing that attracts the public." So you stand for a joke of the vintage of 1812, and then lug in by the nape of the neck your little business story. The result?

The funny story seldom is *funny*—in advertising. Everybody knows you get red in the face to bring it in—and the Ad. instead of being a good, serious, earnest, business appeal to men in business houses—is more apt to be smiled at over the cheese sandwich

and beer. Hit a business man at his business in a business way. That's the way!

When you buy space of your good friends, Faxon, Shaw, Stewart and Butterfield, for heaven's sake, don't fill it as full as you can with text. If your space is small, better tell one thing—and tell it well, and leave plenty of white space around the text. The white space sets it off. Makes it look interesting. For example: Three or four roses in a vase, is a beautiful sight—each rose presents its individuality—its grace. A vase crowded full is just a vase of roses—one, grand big bunch. A mass that neither attracts nor impresses.

Some day, advertising will be reduced to an exact science. With a certain given expenditure it will be safe to figure on certain results. When that day comes we will know what advertising really is. Authorities differ now. Which reminds me of my somewhat irreverent, but precocious little niece who was one day sitting by the window drawing, and drawing on sheet after sheet of paper; when finally her grandmother, somewhat impatiently, said: "Why Tuddie, what are you doing?" Tuddie slowly replied: "Making a picture of God." Grandmother, very much shocked, said: "Why that's very, very naughty—no one makes pictures of God—no one knows how God looks." A long pause and more scratching of pencil. Finally, Tuddie replied: "Well, they'll know how he looks when I get this done."

PERSONAL.

Chas. L. Seybold and F. Bauer, of Baltimore, sailed for Europe on June 12, to be absent about six weeks.

L. W. C. Tuthill, of the Tuthill Ad. Agency, New York, fell from a motor cycle and sprained his ankle, so that he has to go about on crutches for a time.

Frank Drews, head gardener for Thos. Edison, Llewellyn Park, Orange, N. J., resigned on June 1 to take charge at the Essex County Country Club, West Orange, N. J.

George M. Stumpp of New York sailed for his customary annual visit to his old home in Germany, on the Kaiser Wilhelm II, on Tuesday, June 13. He was accompanied by W. H. Siebrecht of Astoria.

Mr. and Mrs. T. Benjamin George will give a reception on Wednesday, June 21st, at their residence in Hyde Park, Cincinnati, O., in honor of their daughter Bessie who was secretly married to Mr. Alanson A. Knowles about six months ago.

W. Taat, representative of M. Van Waveren & Son, Hillegom, Holland, met with a painful accident in the Boston subway last week. He has been in feeble health for some time, and stumbled in front of an incoming train and his foot was cut off at the instep. At the hospital, to which he was taken, it was found that amputation at the ankle was necessary. Otherwise Mr. Taat is progressing favorably, and will be able to leave the hospital in about three weeks. He represents one of the largest and most reputable houses in Holland.

SOUTH AMERICAN FLORICULTURE.

A paper read before the N. Y. Florists' Club by J. McHutchison.

The title "South American Floriculture" is a misnomer. There isn't much floriculture in countries where orchids hang from every large tree, in the forest, every small garden contains a hot-house assortment of plants and the most magnificent palms and flowering plants line the streets of every city. You get enough of floriculture during the week. Tonight you can forget you are florists and come with me through a few South American countries.

The trip I took was a 10-weeks' cruise in the Hamburg-American Line steamer *Blucher*. There were 214 of us in the party—mostly widows and bachelors—and they had about every convenience on board except a matrimonial agency. January 21st, the day we left New York, was an unhappy mixture of fog, rain and cold. Three days later overcoats were discarded, light clothes brought out and we were looking over the rail at the flying fishes.

Six days after leaving New York we were in Barbadoes, called sometimes "Little England," in British West Indies. We had been passing the Caribbean Islands the whole day previously, though it was too dark to see Martinique where Mt. Pelee destroyed the city of St. Pierre and did so much damage a few years ago. Barbadoes is beautiful. Ninety per cent of the people are black. It is the most densely populated place on earth—200,000 inhabitants in an area of 166 square miles. We drove through avenues lined with cocoanut palms and mahogany trees with the flaming Hibiscus, blue Plumbago and Bougainvillea brightening up the roadside gardens. The principal products are sugar cane, cotton, tobacco and so forth.

We crossed the equator on January 31st with appropriate ceremonies. The ship's crew were dressed up in fanciful costumes and the men passengers and crew who had not crossed the line before, were lathered with a white-wash brush, shaved with a two-foot razor, imaginary teeth were pulled and salt water pills given to them; they were then smothered with toilet powder, and, thrown over backwards into a 5-foot salt-water tank, he finally escapes through a canvas tube with a two-inch stream of water on his rear to facilitate his passage.

Pernambuco is an ordinary Brazilian city with a population of 200,000. It exports sugar principally. It has a busy harbor inside the coral reef that lines the Brazilian coast for hundreds of miles.

February 2nd we were at Santos, a port with vast shipping activities. Brazil furnishes about 80 per cent of the world's coffee supply and most of this is shipped from Santos by German and English firms. It used to be the most unhealthy city imaginable. Across the river from Santos on the flats at one time lay over 100 good ships, their crews dead and no other sailors would run the risk of taking them out. This place was called "the graveyard." Men died there of fevers like flies. Now all is changed. The graveyard has been destroyed, the fevers have gone, and the city is now

as healthy as the other Brazilian cities.

From Santos we went to San Pauli. How many North Americans ever heard of San Pauli? Yet it is the cradle of Brazilian independence and the most modern city in Brazil, with a population of 400,000, with broad tree-lined avenues, monumental public buildings and handsome residences. Their open trolley cars were made from St. Louis models. The avenues are in most instances lined with coffee trees, the Australian silky oak and the beautiful Jacaranda mimosa-folia which grows with us in southern California. The municipal opera house there is a beautiful building—built and owned by the city. It cost about 8,000,000 United States dollars and is, I think, finer than the famous Paris opera house.

I ought not to pass here without mentioning the San Pauli R. R., which covers the sixty miles between Santos and San Pauli, climbing 3600 feet up the face of the mountains. I never saw a railroad like it. It is mostly tunnels and viaducts and there isn't a square foot that is not waterproofed and that is something when you consider that the average rainfall is 11 feet per year and 10 inches of water has fallen within 24 hours. The railroad was built and is owned by the British and English rolling stock is used. Its profits are over 40 per cent a year, but Brazilian laws prevent more than 7 per cent. being paid in dividends, so all surplus goes into unnecessarily fine stations and improvements.

We reached Montevideo, the capital of Uruguay, in the teeth of a pampas storm, but that soon went down and we visited Villa Delores, a large private zoo, and drove through the many beautiful parks and boulevards largely planted with Eucalyptus and other Australian trees. We were there two days and there was not a single revolution recorded during that time, though one cropped up a few days later.

Now we enter the Straits of Magellan and after staying a day at Punta Arenas, the southernmost town in the world, we continue through the straits, going out of our course to get into the sounds, the glaciers and fjords rivaling those of Norway and Alaska. In one place where we anchored five glaciers were within two miles of us and coming to the water's edge, the blue ice glistening in the sun. The channel is about 400 miles long, very narrow and dangerous in places for we saw many wrecks on the banks, the mountains on either side often lined with snow, but we have to keep hustling to get up the west coast as far as Valparaiso.

This is a cosmopolitan city and the principal seaport of Chile. Its population increased 100 per cent within the last two years while New York gained only 48 per cent. There are still some evidences of the earthquake that visited them a few years ago. Chile is called the shoe-string republic, because it has coast line of 2600 miles and an average width of only 150 miles. Santiago is its capital city. Like all South American cities, it is made as a fit place to live in. Too bad our cities are not built on the same principle. In Santiago and Valparaiso the street car conductors are

mostly women. Santiago is built on a plain, surrounded by mountains. Right in the center of the city is a rocky mountain called Santa Lucia. It has been landscaped and beautified with statues and hanging gardens. From the top at sunset, we get a fine view of the pinnacled snowclad peaks of the Andes with the sun shining on them after the city is in darkness. It has not rained in Chile for two years, though the Aconcagua Valley beats anything I ever saw for productiveness, not even excepting the Compagna in Italy.

The famous Trans-Andean railroad is a marvel of constructive engineering. It runs from Valparaiso, Chile, to Buenos Ayres and we crossed it from end to end. Its mountain scenery is grand and we pass at the feet of Mt. Aconcagua, 23,200 feet, which makes it the highest mountain in the western hemisphere. Still, I do not think that the scenery from the train is any finer than in many parts of Switzerland or over the Canadian Rockies on the C. P. R. R.

By going under the central peaks of the Andes in the tunnel, we pass under the boundary line between Chile and the Argentine. You will remember that a few years ago these two countries were on the verge of war, but a settlement was reached by King Edward's arbitration. The two countries then built a monumental statue of Christ, "The Christ of the Andes," and placed it in the pass, right on the boundary line amid the everlasting snows and on the tablet is this beautiful inscription: "Sooner shall these mountains crumble into dust than the people of Argentine and Chile break the peace which they have sworn to maintain at the feet of Christ the Redeemer," and let me tell you, gentlemen, that those two nations will never fight while that statue stands there.

It takes from daylight to dark to cross the Andes from Los Andes to Mendoza, which is all made on narrow gauge, then all night and all the next day we cross the pampas of the Argentine as level as a billiard table and not a hill in sight for 600 miles and very few trees, but there are cattle, horses, sheep and ostriches on both sides of the track and thousands of scarlet flamingoes in the water. I never saw so many cattle before. In one place the track runs along for 175 miles without a curve. What a contrast after crossing the Andes!

Buenos Ayres, meaning "Good Airs," is a modern city of 1,400,000 people. In beautiful parks, boulevards and plazas it surpasses either Paris or Berlin. The climate is warm and pleasant and in the afternoons the business men drive through the beautiful gardens and boulevards in Spanish style, for the language and life of the people is Spanish. It would take me an hour to tell you much about this fine city. Its avenues, plazas, and boulevards are not duplicated in the United States. Their capitol building is finer than ours in Washington. Their custom house is finer than our New York one. We went through the famous newspaper office, *La Prensa*. In the parks they have whole avenues lined with 40-foot palms. I saw specimens of *Phoenix canariensis* as high and broad as a five-story building and furnished to

the ground. Everything has the appearance of newness in their bright sunshine. Even their famous Avenue Mayo is only four years old, lined with buildings of uniform height and architecture. Their four miles of splendid docks have been reclaimed from the Rio de la Plata and are always filled with numbers of large steamers flying the flag of every maritime nation—except the Stars and Stripes.

On March 11th we arose at 6 a. m. to see the entrance of Rio de Janeiro harbor. Huge granite rocks, one of them called the sugarloaf, guard the entrance on either side like sentinels, the city lining the various bays on the left. The entrance is so narrow that its discoverer called it the "River of January," but it widens out to a very large bay, dotted with beautiful islands. Nature seems to have exhausted its resources in making this harbor and the Brazilians have followed suit by making their capital city worthy of its harbor. There are avenues lined with four rows of royal palms 80 feet high and the five miles of gardens and boulevards along the half-moon shaped Botofoga Bay cost them 40,000,000 American dollars and every dollar counts. From Corcovada—a 2300-foot rock with a perpendicular drop of 1500 feet—you look right down upon this city of 900,000 people spreading itself out among the valleys and slopes of the mountains. All ships anchor in the bay, for these artistic people want their water front for gardens and pleasure.

We read in our papers here about six months ago of the naval mutiny at Rio. Well it was the real thing. Most of the naval buildings are on Cobras Island and they are still standing, riddled with shell holes. The men who mutinied on the warships bombarded these buildings, then surrendered and the men in the barracks, not knowing it, then revolted and the new dreadnoughts trained their 12-inch guns on the island and nearly blew it off the map. It impressed us as showing what these people thought of their city that neither the mutineers nor the government fired a shot at the city itself. The battleships lay there still but the breachlocks of the guns have been removed, they are only half-manned, and while these dreadnoughts, the San Pauli and Minas Ceraes, are about the largest and most modern afloat, they could not even answer our salute.

The Botanical Gardens of Rio are famed the world over and rightly so, too. I spent nearly a whole day there. One avenue of royal palms dividing the gardens is half a mile long. There are avenues 20 ft. wide so embowered with bamboos that not sufficient light gets into them to take a photograph. Other avenues are lined with *Areca lutescens* and all kind of tropical plants, for there are over 800 varieties there. What beautiful places these South Americans have to spend afternoons or Sundays in with their children! Most of the consulates are at Petropolis, about 40 miles up in the mountains from Rio. The U. S. Consulate there is almost as good a building as the Portuguese, which is more than can be said of some places. We stayed only a short time at Bahia. There is an upper and lower city. It is the diamond market of Brazil but

we want to push on to Para, 105 miles up one of the tributaries of the mighty Amazon.

Para is the principal port for rubber and other products of the vast country watered by the Amazon and its tributaries. Here we see tropical vegetation in all its luxuriance. I dug up gorgeous colored caladiums growing between the trolley tracks. Bananas grow wild everywhere. Anything will grow there. In Para I saw trees 7 to 8 feet high growing out of a church spire. A house with a thatched roof collects dried leaves and in a few months there are trees growing on the roof. In the botanical gardens in Para we saw the trees which produce the rubber of commerce. It's not a *Ficus elastica* but has a small narrow leaf like *Eucalyptus* and it's certainly a money-maker for Brazil. You have heard of the floating islands of the Amazon; a snag gets stuck in the river, it dams back leaves and branches, then seeds germinate and trees grow on it and when a freshet comes down the river out goes the island. In the rainy season the Amazon sometimes rises 40 and 60 feet and floods the country for thousands of miles. It is truly a mighty river—and a peculiar one, as it doesn't confine itself to one stream. No one can truly say they have seen the Amazon but only a part of it, for you have to go 1000 miles up to get into one stream and by then you have passed where many of its largest tributaries enter. The Amazon is really a series of lakes and swamps connected by rivers. Its mouths where it enters the ocean are 150 miles wide. Steamers of 6000 tons go up 1000 miles to Manoes and 2000-ton steamers can go 2000 miles. Altogether in the Amazon and its tributaries there are over 40,000 miles of navigable waters.

We stopped at Trinidad long enough to see the Botanical Gardens there and to visit the lake of pitch 40 miles away. This is the seventh wonder of the world. It comes out of the lake just as you see it in barrels and though it is exported in large quantities, the lake never grows less. Sometimes pieces of wood come up with the pitch and it is a curious fact that the wood does not grow on the island and in no place nearer than the mainland.

We dropped in at St. Thomas in the Danish West Indies and took a stroll through coconut groves and looked over the castles of the old time pirates who made St. Thomas their rendezvous in the old days. We passed Porto Rico and five days later came up New York harbor in a fog so thick that the city was barely visible.

We felt like millionaires in Brazil. Their language is Portuguese and they use Portuguese money of reis and mil-reis. A million reis amounts to about \$260 in our money. Trolley fares or a post card costs 400 reis and 1000 reis is an ordinary tip for a waiter. All through South America they have a pleasant way of naming their streets and parks after some historical event. It is just as if Broadway were called Fourth of July Street.

All of the South American cities are fine places to live in. They are made beautiful. A city like Buenos Ayres or Rio, for instance, has more acreage in parks and gardens than five cities of the same size in the United States and they are fine parks too, not open

squares of grass dead half the year. They plant good trees and fine palms, not of the common varieties, but varieties like *Cycas circinalis*, *Phoenicophorum sechellarium*, *Licuala grandis* and *Phoenix rupicola* in magnificent specimens and they keep them in fine shape too, so that a drive or walk through these parks is a refreshing diversion after a day's work.

We always think of Brazil as having a very hot climate. True the average is high, but it never really gets hot. The maximum temperature of Para, only 11 miles south of the equator, is only 78 degrees. We get it hotter than that right in New York City sometimes and they get it in Buenos Ayres, too. On the entire trip we were never over-bothered with mosquitoes and there are so few flies that even in the hottest cities meat is hung outside without protection. The cities down there are nearly all progressive and up to date. Even in the smaller cities they have fine trolley cars and electric light systems and the streets are well lighted. In Rio they have mosaic sidewalks and in Buenos Ayres they have five times more policemen per 1000 population than we have.

The growth and prosperity of the South American republics has been amazing within the past two or three decades. Englishmen and Germans of intelligence and business or mechanical ability control the commercial, shipping and engineering enterprises of South America. North America is represented only in a few isolated places. Every railroad in the Argentine with one exception was financed and built by Englishmen and are now officered by them. The public water works of Buenos Ayres were built and are run by Englishmen. In the year 1909 Englishmen took 250 million of dollars in dividends out of the Argentine alone. The docks at Santos and at Rio, also the wonderful trans-Andean R. R. which runs across the continent from Buenos Ayres to Valparaiso, more than 800 miles over and through the Andes, are owned in England. The engines and rolling stock on the Chilean railroads and most of their trolley systems were installed by the Germans. Even their soldiers all wear German uniforms. There are over 40,000 English residents in the Argentine and only 400 Americans. The banks, docks and railroads are controlled by the English or Germans and we as a nation are hardly known there, and why should we be? They see large 10 and 12,000-ton British, German and Italian steamers entering their ports but never an American one. Why, the American consul at Santos told me that last year 393 large steamers left that port laden with Brazilian products but a steamer flying the American flag has not been in there in ten years. No wonder that the United States has had little share in the thriving prosperity of the wealthy regions south of the Equator.

So long as the banking laws of the United States forbid any branch of American banks in South America, and so long as we have no ships of our own and prevent foreign ships from trading from one American port to another en route to South America, the Monroe doctrine will appear a farce to South American republics and their trade will go to Europeans who know how to handle it.

AN IMPROVED VENTILATOR ARM.

"The Advance Co., of Richmond, Ind., manufacturers of greenhouse ventilating apparatuses and fittings have invented a new devise in the form of an arm to be used in connection with their ventilating apparatus to be called the "Twistless." The following illustrations were taken from an arm giving the same throw and opening as an 8 inch elbow arm. The cross rods are 8 inches long and the rod that fastens to the sash is 21 inches long.



The first of the above cuts shows the arm in a right angle position. It is in this position that an elbow arm twists the shafting pipe the most. In this new arm they have eliminated the twisting when the arm is in this position by reducing the distance from the center of the shafting pipe to the center of the rod rivet without reducing the throw.

The second cut shows the arm in a closed position. When in this position the distance from the center of the shafting pipe to the center of the rod rivet is 8 inches or the same as in an elbow arm. The advantage of the arm when it is in this position is that it is more rigid and easier to start.

The third cut shows the arm in an open position. When in this position the arm has the same distance from the center of the shafting pipe to the center of the rod rivet as it has when it is closed, namely 8 inches. The arm is very rigid in this position and it requires no strain on the machine or other parts of the apparatus to hold the sash open.



The above cut shows the construction of the arm. Two duplicate castings are riveted together by a center rivet to form the part of the arm that clamps the shafting pipe. One bolt is all that is required to hold this arm securely to the shafting pipe as the rivet that holds the two clamp parts together also forms a hinge in the proper place on the opposite side of the pipe from the bolt. After the

two clamp parts are together an 8 inch rod is fastened to each one of them near the outer edge. The rods are then crossed and fastened to the rod bracket which carries the rod that is afterwards fastened to the sash. The rod bracket is so constructed that it carries the sash rod between the two 8 inch cross rods. The sash rod being carried on the inner side of the bracket is more rigid and has no tendency towards side action. The manufacturers say that the standard new style arm will give the same sash throw as their standard elbow arm and when at right angles the rod will stand only 7 1/2 inches away from the center of the shafting pipe.

Over six thousand of these arms are already in use. Much more might be said but the Advance Company, Richmond, Ind., will be pleased to answer any inquiries.

AN INTERESTING EXPERIMENT IN ROSE GROWING.

At the June meeting of the N. J. Floricultural Society, a letter was received from the N. J. Experiment Station at New Brunswick describing their treatment of My Maryland roses under glass. This experiment was planned to study the character of their red shale soil as adapted to roses. This red shale soil is of the same physical character as clay soil and should be of the proper physical condition for roses. They found that carnations succeeded much better if about 30 per cent of sand was mixed with the soil, so that they decided to study the effect of different proportions of sand upon the roses and compared the red shale soil without sand with plots containing 10, 20 and 30 per cent of sand. You will note that 30 per cent sand means quite a sandy soil. They have cropped these plants without rest for two years, and the plots having 30 per cent of sand are equal to the others. These plots have also received nothing but chemical fertilizers since the experiment started, and the last crop was as fine as any they have secured, and they are planning to carry the plants along without rest for another year. The plants are own-root stock and are grown on raised benches with tile bottoms with less than 4 inches of soil on the benches. No new soil or manure has been added since the experiment started. The initial application of fertilizer for one thousand square feet was as follows:

19,200 grams	ground limestone
13,600 "	acid phosphate
3,600 "	superphosphate
1,400 "	nitrate of soda

These amounts can be reduced to pounds by dividing by 453, which is the number of grams to the pound. At the present time they would probably use another source of nitrogen in place of nitrate of soda, preferably concentrated tankage dried blood or ground fish, and they have applied 1800 grams of concentrated tankage per one thousand square feet each month as a top-dressing of nitrogen. This is the only material that is applied after the initial application, which is stirred into the soil at planting time. This entire lot of chemicals will not cost over \$2.00 per 1200 square feet for the entire season, which is very much cheaper than any application of manure could be. They have experimented during the

past year with American Beauty roses, also Killarney, and feel certain that equally as good crops of roses can be grown with chemical fertilizers as with animal manures, providing the proper physical condition of the soil is secured and maintained and provided the proper chemicals are applied. They are going to have a new range of greenhouses built this summer and will be able to experiment on a larger scale.

WILLIAM REID, Sec'y N. J. F. C.

SEEN AT MANDA'S.

Among the many interesting novelties to be seen at this noted South Orange establishment, Polypodium Mandaianum will most impress the visitor. This superb crested form of *P. aureum* is remarkable for its vigor and rapid growth. The fronds, which are of enormous size, will keep from four to six weeks in water, after cutting, and are in great demand for use in large floral decorations. There are several begonias of especial promise, *semperflorens* crosses, both pink and scarlet, which will undoubtedly become popular. A new and very distinct *Nephrolepis* with red-ribbed fronds adds one more gem to the lengthening list of this sportive genus. Among the desirable things for choice plant collections is a *Fourcroya*, with foliage handsomely variegated with white, and entirely devoid of the usual marginal spines. A great commercial future is in sight for the European novelty, *Adiantum Farleyense* Glory of Dewtreth, which differs from the *Farleyense* type in bearing spores. Among the things not new but yet little known is *Dracaena Rothiana*, a thick leaved species, which Mr. Manda terms a "money maker." It has been rarely grown outside of botanical gardens, but has all the qualities of a good florists' decorative plant. Mr. Manda reports the demand for *dracenas* of all kinds as very heavy this season.

At the time of our visit a large shipment of cacti was being packed for India, and a load of *phalanopses*, over 6000 plants, was just coming in. There are no less than 108 distinct species and varieties of *Cattleya Trianae* now in this establishment, all tints from pure white to scarlet. For *cattleyas*, *dendrobiums* and all propagated stock frames are utilized in summer, and the plants thrive much better than in the greenhouses during the hot months.

PLANT TRADE IN SYRACUSE.

The bedding-out season still continues and will not be finished for a week or two yet. It has been the best ever known here. *Geraniums* have been in most demand, *S. A. Nutt* being the favorite; very few white ones are used now. *Cannas* sold well. The call for *Vinca variegata* was very large, many florists being sold out soon after the rush began. Each year there is a larger number of porch and window boxes. Large flower pots filled with scarlet *geraniums* and vines are seen on the steps of many houses. Insects and caterpillars were becoming quite destructive, but a heavy thunderstorm with a deluge of rain a few nights since thoroughly washed trees and everything else and it is hoped the pests were completely disposed of for a good time at least.

HAIL INSURANCE.

A paper by John G. Ester before The New York Florists' Club.

What General Sherman said of war, applies as well to hail. A few weeks ago I visited St. Louis and saw some of the disaster caused by the storm of April thirteenth, last. A breakage of over 37,000 square feet of glass, nearly all double-thick, out of 50,000 feet, in one range, will give you some idea of what hail can do when it gets busy. This storm was three miles wide by forty miles long, and broke seventy-five percent. of the glass in the fifty or more greenhouses in its path. And The Florists' Hail Association paid for nearly all of this loss without a quiver.

As to the formation of hail, nearly every scientist has a theory all his own, but in my estimation they have about as much evidence to convince the man from Missouri, as the various gentlemen who describe the golden streets of The New Jerusalem, that their guess is correct.

It would tire you to enumerate the freaks of hail storms, but suffice it to say that the storm that does the most damage is the one that has wind enough to carry the stones so that they hit the glass at right angles.

Various devices of protection have been tried but nearly all have proved either too costly or too cumbersome to be practical, and hail insurance still remains the best and easiest way for the person who owns a glass house to recoup himself for damage by hail. Therefore it will not be irrelevant to say a word or two about the mutual benefit conferred by The Florists' Hail Association of America.

It is nearly twenty-five years ago since the S. A. F. christened The Florists' Hail Association, and placed the infant upon its doorstep, with the admonition to go forth into the world and be a Good Samaritan, but on no account to come back and trouble its dad. On June first, 1887, the State of New Jersey adopted the orphan and for twenty-four years it has gathered experience, and the fact has been developed that a majority of the owners of glass are very much more interested in hail insurance after, than before a hail storm.

Since the day of its incorporation this association has never paid a dollar for attorney's fees, notwithstanding the fact that up to date over \$213,000 has been disbursed to its members for glass broken by hail. Likewise, it has never paid a single cent for office rent, fuel or light, for its officials. And here comes our loudest whoop. Not a dime has been paid to an agent for commissions. We employ no agents. We only do business in the State of New Jersey, and are not amenable to any other state.

He who wishes to come or rather sends to New Jersey for hail insurance, can procure the same without any rakeoff to anyone. Reformers take notice, and when you plan to eliminate the middleman, think of The Florists' Hail Association as the one organization that has wiped that individual off the slate.

By prompt payment of losses and straight-forward dealing The F. H. A. has won an enviable place in the insurance world, and with its sixteen hundred members, insuring over thirty-five million square feet of glass, and a reserve fund of over twenty-five thousand dollars for a backbone, it

can afford to sit quietly by and wait until a hail storm drives the uninsured into its fold.

In conclusion, allow me to advise: Don't shingle your hot house with single-thick glass and be sure to lock the door before the horse is stolen.

GREAT HAIL STORM IN MARYLAND.

On the evening of June 12, while the members of the Gardeners' and Florists' Club of Baltimore were assembled transacting committee business for the coming convention of the S. A. F. and O. H., a terrific electric storm started, and made great havoc among many of the greenhouses of the members. Telephone calls came reporting great losses from hail. Isaac H. Moss of Govans, Md., who has two extensive plants, a mile or so apart, had the glass in all his houses completely riddled. Many valuable plants were also destroyed. Mr. Moss estimates his loss at about \$8000. F. Bauer, Govans, also is a heavy loser. Mr. Bauer had left in the morning for New York, to sail for Europe the next day. M. Thau, Govans, suffered severely. In less than two hours after the damage, Mr. Thau had given his order to a dealer for the replenishing of his glass. William Paterson, Govans, had five greenhouses riddled. At the same place the conservatories of Andrew Anderson, Hans Anderson and Andrew Bartell were damaged, the loss being thousands of dollars. Greenhouses at Ruxton and at Pikesville were badly damaged. Stevenson Bros., who had just completed two fine greenhouses near Towson, had nearly every glass broken, and they also had loss at their houses at Govans. Edward A. Seidewitz's Mt. Washington greenhouses, were greatly damaged. Floral View Nursery lost \$2000 and George Cook \$800. James Hamilton, Mt. Washington, who is a large rose grower, suffered greatly by loss or complete destruction of plants as well as glass. He estimates his loss as over \$10,000. John L. Waggoner and H. L. Kline, near Towson, had glass demolished, and many plants in their houses were destroyed. At Hampton, one of the finest colonial places in the state, there was great destruction of the fine old trees, the beautiful driveway being completely strewn with trees. At the greenhouses of Mrs. T. Harrison Garrett, in which is a magnificent collection of rare ferns and tropical plants, great damage was done.

In the track of the hail storm the wind was terrific, and fruit and other trees were uprooted by the hundred. It was the most destructive storm in this state for over twenty years. In many cases out-door crops in gardens and fields are completely ruined.

DAMAGE BY HAIL IN MICHIGAN.

On Sunday night, June 11, a destructive hurricane swept over a large part of the state, ruining gardens, unroofing buildings, etc., and, in the vicinity of Flint, where it was accompanied by hail, inflicting great damage on glass structures.

One of the heaviest losses sustained was that of Hasselbring, the florist, whose greenhouses are located west of the city, and everything is completely ruined.

There are 13 buildings, which have 100,000 square feet of glass, and 50,000 square feet of this was broken. The lights in the buildings on the north side were all broken and also 17 lights in the windows of the residence were demolished. The loss, which cannot be estimated at this time, will run into thousands of dollars. Thirty thousand carnation plants were ruined and also 20 acres of fruit crops. The tomato plants which were in two houses are a total loss. Most of the damage was caused by the hail. This is the third time in seven years that the greenhouses have been damaged by storms. Harry Schott, who conducts a small greenhouse and also raises garden truck on 15 acres near the Hasselbring greenhouses, suffered heavy loss, all the garden truck being ruined.

OTHER STORMS.

Fostoria, O.—A violent hail storm broke about 5000 feet of glass in the greenhouses of the Fostoria Floral Co., on June 3.

Detroit, Mich.—A severe storm on June 4 did much damage to the country about here. The Alma greenhouse suffered a loss of about \$1000.

Boone, Ia.—A very severe storm did much damage in this section. L. Loehrer lost 5000 lights of glass, and the damage at the greenhouses of I. Kemble was considerable.

NEW AZALEAS OF MERIT.

In a letter written by August Haerens from Italy, on May 21, Mr. Haerens has the following to say:

"We took first prize, golden medal, in Florence, notwithstanding that most of the extra fine varieties of azaleas were spoiled on account of delay on the road; it has taken twelve days for exhibits shipped by grand express from Ghent to Florence (about same distance as N. Y. to Chicago). We exhibited the following: Lady Roosevelt, Easter Greetings, Haerens' Lorraine, Winfried Haerens and Mlle. Suzanne Haerens, double pure white; ten other sorts intended for exhibiting arrived spoiled by the long transit. It was wonderful how perfect Easter Greetings, Haerens' Lorraine and Winfried Haerens unpacked after thirteen days' confinement, traveling a distance of some 1370 kilometers. Please make a note of this and let the trade that is interested know. Of the Lady Roosevelt only one plant unpacked in good condition."

Messrs. Rolker of New York, who are the American agents for Aug. Haerens, state that several of the above mentioned azaleas were shown at the National Flower Show in Boston, but escaped the scrutiny of the judges and consequently received no special recognition there.

Washington, D. C.—Every year the ceremony of decorating the graves of the Confederate dead in Arlington National Cemetery is carried out. These exercises took place this year on Sunday, June 11, the hottest day the Capital has seen, it is said, at this date in 34 years. A wreath from President Taft was among the floral tributes placed on the graves of the 264 Confederate soldiers buried in Arlington.

BOBBINK & ATKINS

WORLD'S CHOICEST FLORIST AND NURSERY PRODUCTS.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General Catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES.

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists

Rutherford, N. J.

American Grown Roses

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens.

Write for Trade List. **W. & T. SMITH CO.** Geneva, N. Y.

HARDY NORTHERN GROWN NURSERY STOCK

WE GROW EVERYTHING FOR PLANTING THE HOME GROUNDS
A GENERAL ASSORTMENT OF

Trees, Shrubs, Vines, Roses and Herbaceous Perennials, Etc., Etc.

Our Illustrated and descriptive Catalogue for the asking

THE BAY STATE NURSERIES,

North Abington, Mass.

AN "UP-THE-HUDSON" ESTABLISHMENT.

We don't believe there is in the country a finer lot of symmetrical specimen conifers of the small and medium sizes than are to be seen in the nursery grounds of Wood Bros., at Fishkill, N. Y. From their continuous advertising of greenhouse stock, it is not generally known what an extensive nursery business is done by this firm. Root pruning and transplanting is carried on unremittingly, and every plant is a specimen, in condition for removal. The loss from winter-killing has been unprecedentedly heavy this season, Thuyas—especially the compacta—and Retinosporas, such as plumosa and filifera being killed out by hundreds. This is concurrent with the experience in other nurseries throughout this state, New Jersey and elsewhere. Some seedling blue spruces caught our eye, and compared with those in a row of genuine Kosteri were fully equal to if not superior to that widely known variety.

In the greenhouse department all has been hustle hustle for the past two months, for Wood Bros. are regular advertisers in HORTICULTURE. Geraniums, of which they had an enormous stock, are cleaned out. A great variety of geraniums is grown at this establishment, not merely a few of the leaders such as Nutt and Poitevine, and they find this policy pleases the buyers, who are glad to get a chance at something different once in a while.

The demand for young cyclamens, roses and cannas, Mr. Wood tells us, has been much better this year than it

HOLLAND NURSERIES

Best Hardy Rhododendrons, Azaleas, Conifers, Clematis, H. P. Roses, Shrubs, and Herbaceous Plants.

P. OIJWERKERK, 314 Jane St., Westchester Bldg., P. O. No. 1, Hoboken, N. J.

was last year, and bedding begonias have had and are still having a most remarkable run. They have an immense stock, varying from the pure white dwarf Snow Queen of the Erfordii type, up through all shades of pink and red.

The carnation sale this spring has been demoralized, says Mr. Wood, by the course of the trade papers, in soliciting and publishing limited lists of the "best" varieties, thus concentrating attention, especially on one, two or three sorts, that consequently monopolize the demand, and discourage the production of a more extended assortment. Growers of tender grapes under glass will find some fine stock of the best exotic varieties at Wood Bros.

NEWS NOTES.

Chicago, Ill.—The property of George L. Healy, on Elm street, has been secured by the Ernest Weinboer Co.

Memphis, Tenn.—A city tree and shrub nursery will be established on 53 acres of land leased by the Park Commission.

Rockford, Ill.—R. H. Shumway writes that the fire which partially destroyed his barn, as mentioned in HORTICULTURE of June 10, is believed to have been of incendiary origin.

Be a MUGWUMP. In other words be independent. Mugwump is from the Indian "Mug-quomp" and means "leader." In 1884 the New York Sun gave the word political meaning indicating an independent voter; one who was considered a backslider or a person who considered himself of superior intelligence — capable of voting as he pleased. Some florists today buy from firms because they feel they are obliged to—perhaps such a firm may buy from them. Consider this—does the firm buy from you, Mr. Florist, because of your personality, or do they buy from you because they are glad to get the goods at their own price, or at a price which will net them the most profit? Would they not buy from your next neighbor if they could buy better or cheaper? Do you think they buy from you for love? If they do, it is not good business. Do they buy from you just because you buy from them? If they do, it is again not good business. Do you think we would buy from a bulb exporter abroad just because he might buy from us? Not much—we would not buy from him unless we were sure he had the goods. We are Mugwump buyers. The Mugwump, or independent buyer, is the successful man today. Be a Mugwump. Cold Storage bulbs for Mugwumps—ready for delivery now or later.

Write us.



Not How Cheap
But How Good

Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY



ANNUAL TRADE SALE

Tuesday, June 20th, at 11 A.M.

Grand Opportunity to Stock Up

It only affords itself once a year, so do not overlook it.

ELLIOTT AUCTION CO.

W. J. Elliott, Auctioneer

42 Vesey St., NEW YORK

CHICAGO NOTES.

Trade Jottings.

A shipment of palms, araucarias, etc., just received by Fischer Bros. of Evanston, arrived in fine shape, notwithstanding the extreme heat they encountered during transit.

The E. Wienhoeber Co. has made a valuable acquisition to its Elm street property in one of the finest residence districts of Chicago. The purchase covers 50 x 175 feet just off from State street.

Among the unusual wedding decorations of the week was one by A. Lange in the gold room of the Congress hotel. Sweet peas and peonies were used profusely and a unique feature was the bouquets of the six bridesmaids which were hats filled with pink sweet peas.

Most of the carnation growers have thrown out their plants. The hot weather has caused the cut flowers to be so small and soft that the plants were not worth while. The few houses that still retain their stock are sufficient to supply the light demand for carnations at this season.

The commencement events at Morton Grove are this year, as in previous years, doing credit to a town made up largely of florists. A pavilion will be hung with green and thousands of roses used to make the place a bower of loveliness. Daisy Brooks and Virginia Poehlmann have leading parts in the program.

Personal.

Frank Ayres, of Chas. McKellar's underwent a painful operation on his eye last week.

John Sinner and N. Wietor will leave together for their annual outing, June 23d, at White Sand Lake, Wis.

George Asmus, president of the S. A. F., has accepted the invitation to the 25th anniversary banquet of the St. Louis Florist Club.

J. D. Imlay, Zanesville, O., is buying material in Chicago for a new range of houses. He will also go to Champaign to witness the graduation of his son this week.

H. C. Blewitt, for many years a well known grower of Desplaines, Ill., is trying sulphur baths at Benton Har-

bor, Mich. Mr. Blewitt has been suffering from rheumatism for a year, and his condition is rapidly becoming very serious.

The marriage of Mrs. Margaret Thorpe Flint and Capt. David W. Evans is announced for Saturday, July 1. Mrs. Flint is the daughter of the late John Thorpe, and has been Chicago representative of the Florists' Exchange for the past two years.

Miss Frances Brundage, secretary of the E. H. Hunt Co., has resigned on account of poor health, and will spend some time with her sister in Paris, Mo. P. M. Bryant has taken her place for the present. Miss Brundage has many friends in the trade who hope to see her back again entirely recovered.

Visitors:—John M. Bommersbach, Decatur, Ill.; W. H. Troyer, Elkhart, Ind.; H. E. Kidder, Ionia Pottery Co., Ionia, Mich.; A. L. Glaser, Dubuque, Ia.; L. Potter, Waukegan, Ill.; Ed. Amerphol, Janesville, Wis.; J. D. Imlay, Zanesville, O.

INCORPORATED.

Portland, Ore.—The Portland Rose Nurseries, capital stock \$50,000.

Marietta, O.—The Marietta Floral Co., capital stock \$20,000. Incorporators, J. A. Gallagher and others.

Alvin, Texas.—Stockwell Nursery Co., capital stock \$100,000. Incorporators, E. S. Stockwell, W. A. Stockwell, W. H. Gammill and others.

Denver, Colo.—Colorado Co-operative Farmers' and Gardeners' Association, capital stock \$10,000. Incorporators Frank A. Buckman, A. C. Toothacker, R. J. Caille.

Topeka, Kans.—Mid-Continent Orchards Co., capital stock \$500,000. Incorporators, J. H. Davis and John B. Stephen of Denver, and L. J. Van Laeys, W. B. Flowers and W. R. Gilmore of Topeka.

Perry, Iowa.—The incorporation of the Perry Nursery Co., which was mentioned in the June 10 issue of HORTICULTURE is not yet complete as to details. This business has been running since 1871, for fifteen years under the name of Edmondson Bros., later E. F. Edmondson, who has now with the others previously mentioned, incorporated as the Perry Nursery Co.

DURING RECESS.

New York Bowlers.

On Monday afternoon, June 12, scores were recorded as follows:

Scott	148	144	181	Manda	189	161	203
Kakuda	146	153	178	Don'ton	166		153
R'us.Th	179	156	157	Tallman	133		147

The Astorias have their annual banquet and theatre party, with their wives, on Saturday evening, 17th inst.

Chicago Bowlers.

SCORES FOR JUNE 8.

Graff,	117	178	151	Vogel,	102	125	162
Schlos'n,	119	177	140	Wolf,	194	189	198
Stevens,	202	173	165	J. Zeck,	191	177	168
Lorman,	153	96	148	J. H'ck'r,	121	151	166
Schultz,	154	143	185	A. Zeck,	176	148	227
Farley,	166	190	179	A. H'ck'r,	200	127	176

Among the prizes offered for the convention meet is one of \$25 to be divided among the five highest qualifying.

Chicago Baseball.

A baseball team with wholesalers and retailers striving for the honors of the game will be organized at once, Allie Zeck leading the former and Wm. Wolf the latter. With the intervening weeks in which to practice some good playing will afford pleasure to the spectators at the annual picnic July 23rd, at Park Ridge.

The Chicago Carnation Co.'s baseball team won their first game of the season Sunday, June 11th. They will accept a challenge from any florists' team in Chicago or vicinity.

NEWS NOTES.

Greensburg, Ind.—Dille & Konzelman are succeeded by the Dille Floral Co.

Pittsburgh, Pa.—The business of Klinke & Wehrheim will hereafter be conducted under the name of Karl Klinke, Mr. Wehrheim having sold his interest to his partner.

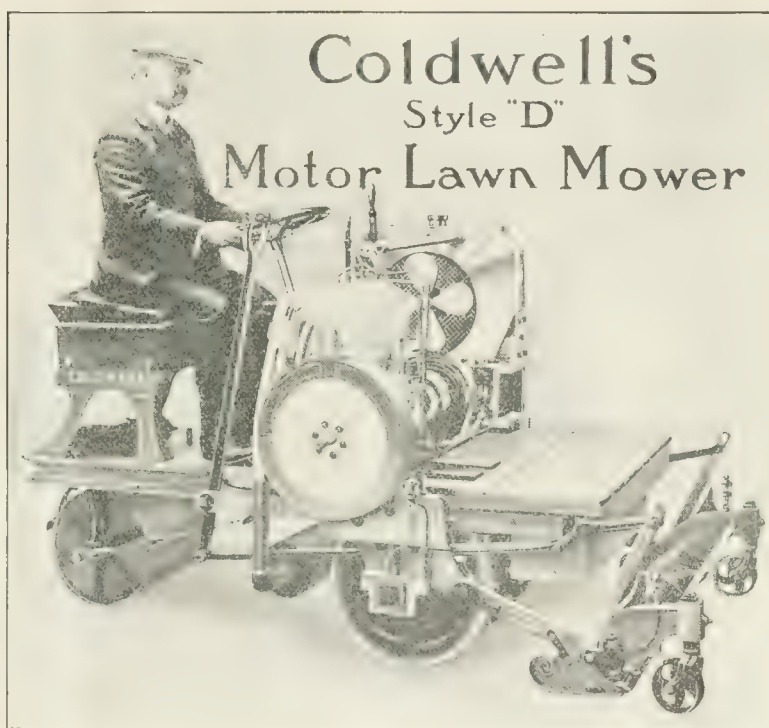
Traverse City, Mich.—The Wolverine Co-Operative Nursery Co., of Paw Paw, are about to open a branch nursery here. This company is unique in that it is, as far as we know the only organization owned exclusively by farmers and fruit growers and is chartered as an association. The experiment is said to have proved very successful.

Coldwell Lawn Mowers

Hand, Horse and Motor

Coldwell's Motor Lawn Mowers

Will do the work of three horse
lawn mowers — and do it better



☐ They will mow up 20 per cent grades. ☐ They leave no hoof prints as horses do.
☐ They will roll the lawn smoothly. ☐ They do away with the expense of two
men and three horses. ☐ They are of no expense when not in use. ☐ They
are simple to operate and economical. ☐ They are a necessity on every large lawn

Catalogue sent on request

Manufactured by

Coldwell Lawn Mower Company
Newburgh, N. Y.

Seed Trade

A Disclaimer Disclaimed.

The recent decision of the House of Lords in England on the Seed Warranty issue will undoubtedly create much uneasiness among the seed trade of that country. The decision of the House of Lords is, briefly stated, that as the buyer could not determine without growing the seed and seeing the plants resulting, whether the seed was true or not, he was *compelled* to accept it, and that this fact overrode the disclaimer behind which the growers sought to shelter themselves from any consequences of mistake on their own premises.

We are at a loss to understand how the highest tribunal in England could have come to such a decision. The issue seems to hinge upon the word "compelled" and it seems surprising that the House of Lords should really have found that the customer was actually compelled to accept the seeds. Really he was not compelled to buy them, and in buying them at a price which did not carry with it any guarantee, and did not compensate the seller for any possible loss in consequence of the seeds being untrue, we can hardly see the fairness and equity of such a decision.

The suggestion made by the English "Horticultural Advertiser" that seeds of different kinds be packed in bags of particular colors is open to much criticism. Such a scheme would necessitate that the bags be used only once, but second-hand bags would undoubtedly be used again, and for seeds other than the kind they first contained, and errors even more serious might result.

We shall be interested to see what legal offset from this decision the English trade may adopt, or how they can legally defend themselves from suits of unscrupulous customers, at whose mercy the law laid down by the House of Lords on the bill now places them.

Next week the American Seed Trade Association meets at Marblehead, Mass., and we presume they will take up this monstrous English ruling and consider it in relation to the status of the seed trade in this country. We think it unlikely that our legislators, with the better judgment and greater spirit of fairness which prevails among them, will be disposed to regard this House of Lords' action as worthy of acceptance as a precedent in this country.

Notes.

Rochelle, Ill.—The Rochelle Seed Co., is erecting a brick addition, two stories, 48x32, adjoining their present building.

Philadelphia, Pa.—The Moore Seed Co. have leased the five-story building at 125 Market street for a term of ten years and will probably move about July first, after contemplated improvements are made.

Binghamton, N. Y.—Ezra Stanford, a representative of the George B. Carver Seed Co., of Buffalo, was slightly injured by an automobile here on June 3. In cranking his machine it started and dragged him about ten feet, finally going over him.

At the annual meeting of the Iowa Seed Dealers' Association, held at Des Moines, on June 6, the following officers were elected for the ensuing year: C. N. Page, president; Henry Field of Shenandoah, vice-president; B. H. Adams of Decorah, secretary; John P. Hamilton of Cedar Rapids, treasurer. H. A. Johns is slated to head the legislative committee, and Henry Field will act as chairman of the membership committee. It was decided at the closing banquet and executive session that the next convention will be held in Des Moines.

At the last meeting of the Board of Directors of the Wholesale Seedmen's League, immediately after roll call, W. Atlee Burpee offered the following motion of respect and esteem, and moved that the motion be placed on the Minutes of the Board, which motion was unanimously adopted:

"It is with deep regret that we record the death on December 13th, 1910, of our friend and colleague, Robert Buist.

"Mr. Buist had been a member of the Board every since the incorporation of the Wholesale Seedmen's League. He was faithful in attendance upon the meetings and we shall miss greatly his advice and sound judgment so freely and honestly expressed, while individually each of us feel the loss of a personal friend.

"Robert Buist was an old school gentleman, a Seedsman of thorough training and a loyal friend, whose loss is mourned by a wide circle of both personal and business friends."

THE TRUE EUGENE VERDIER PEONY.

By E. J. Shaylor before American Peony Society.

My investigation about Peony Eugene Verdier leads to the conclusion that there are three varieties sold under that name. The true variety is a "Salmon Pink" as the originator described it. Medium height, extra stiff stems, with the bloom at the top flat, and the foliage clear up close to the bloom. The outside is quite pink with the inside pronounced salmon color.

The second variety sold for Eugene Verdier is none other than *Eugenie Verdier*. Outside flesh pink, inside light flesh color turning nearly to white when open. Large loose flat flower on long stems that bend over with the weight of the bloom.

The third variety sold as Eugene Verdier is an old peony which has been sold for ever so long in Holland under the name of *L'Indispensable*. I quote from a Holland grower now:—"Some people call it Eugene Verdier, which is wrong. *L'Indispensable* ought to be the variety that has a dark flesh pink color. It is a round flower—very double flower, which has the peculiarity of never opening up entirely, the guard petals holds the entire flower after it is a little more than half open. It stays in this condition until it falls to pieces. That it is the way it acts in our country." Eugene Verdier, proper, is not known in Holland as far as we can see.

Another Hollander says that the nomenclature committee of Holland could not trace anywhere the peony *L'Indispensable*, and since they found a peony like it which had come from Paillet Nursery in France they decided to discard the name *L'Indispensable* and call it Eugene Verdier. This is how it comes to bear the name Eugene Verdier. It has no claim whatever by

'Sparagus Seeds, Etc.

FOR IMMEDIATE DELIVERY

ASPARAGUS

ASPARAGUS plumosus nanus. True greenhouse-grown. 60c. per 100 seeds, \$1.20 for 250 seeds, \$4.00 per 1000 seeds.

plumosus nanus. California-grown, 50c. per 100 seeds, 75c. for 250 seeds, \$2.00 per 1000 seeds.

Sprengeri, 25c. for 250 seeds, 75c. per 1000 seeds, \$3.00 for 5000 seeds.

DRACAENA Australis. Broad foliage. \$1.00 per 1000 seeds, 15c. per 100 seeds.

Indivisa. Long slender leaves, ¼ lb. \$1.00, oz. 30c., pkt. 10c.

DRACAENA CANES:

Porto Rican, 15c. per foot.

Brazilian, 25c. per foot.

PALM SEED

Per 100 1000 10,000

Kentia Forsteriana\$0.50 \$4.75 \$45.00

Kentia Belmoreana (to arrive) .50 4.50 42.50

Cocos Weddelliana 1.00 7.50 70.00

Areca lutescens.....1.00 7.50 70.00

Musa Ensete.....1.00 7.50

ARTHUR T. BODDINGTON SEEDSMAN

342 W. 14th Street, N. Y. City

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.

LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.

BEEF, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Golden Self-Blanching Celery

White Plume, Giant Pascal transplanted plants, \$2.75 per thousand. Untransplanted plants, \$1.00 per thousand.

FOX HALL FARM NORFOLK, VA.

Headquarters for

SPRING BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

right to the name Eugene Verdier. The name *L'Indispensable* cannot be traced, and I am in search to find out what its original and true name is. One grower says it burns, another says in a wet season the buds rot without opening. Another says the petals break and make many blooms come one-sided.

PERENNIAL FLOWERS

Every florist should have a fairly representable collection of "Perennial Flowers" in his establishment be it either for the purpose of growing them for cut-flowers or plant trade. Many of the best varieties are readily grown from seed but in order to have them fairly large in the spring they should be sown in June.

We offer a very complete collection in our "Wholesale Seed Catalogue." Write for it to-day

HENRY F. MICHELL CO., 578 Market St., Phila.

**TURNIP SEED
BEANS**

For immediate delivery

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows:— I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,
Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Import Bulb List

Well Worth Reading
SEND FOR A COPY

The W. W. Barnard Co.
108-110 W. Kinzie St., CHICAGO

BRIDGEMAN'S SEED WAREHOUSE
RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

SEEDS BULBS

For Immediate Planting
Finest Florist Strains

"BUDS"

C. R. GLOECKNER, Pres.
76 Barclay Street, New York



SEEDS, PLANTS, BULBS

All seasonable kinds of best quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsmen

ROCHESTER, N. Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed only to those who plant for profit.

In ordering goods please add "I saw it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

Thorburn's Seeds

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

33 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulas, etc.

THOMAS J. GREY CO.
32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave and 31st St., CHICAGO

We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

Kansas City, Mo.
913 Grand Ave.

All Orders Given Prompt and Careful Attention



WASHINGTON,
D. C.

GUDE'S

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

J. A. VALENTINE
Pres.

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas
City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

ST. LOUIS RETAIL FLORISTS'
ASSOCIATION.

The retail Florists' meeting was held on Monday night, June 5, with a good attendance. The resignation of F. C. Weber, Jr., as secretary, was accepted and Robt. J. Windler elected in his place. Fred H. Weber was elected treasurer to succeed Mr. Windler. President Sanders said the new organization has done good work and would continue as things presented themselves. The elimination of the crepe puller is still in the hands of the House of Delegates and City Council and until they act on the bill their fate will not be known.

A motion was passed to thank the Florist Club in co-operating with them in this matter. The next meeting of the association will be on Monday, July 3.

STEAMER DEPARTURES

Allan.

Nimidian, Boston-Glasgow, June 23
American.

St. Louis, N. Y.-S'hampton, June 17
St. Paul, N. Y.-S'hampton, June 24

Anchor.

Columbia, N. Y.-Glasgow, June 17
Caledonia, N. Y.-Glasgow, June 24

Atlantic Transport.

Minnetonka, N. Y.-London, June 17
Minnehaha, N. Y.-London, June 24

Cunard.

Carmania, N. Y.-Liverpool, June 17
Lusitania, N. Y.-Liverpool, June 21

Franconia, Boston-Liverpool, June 27
Hamburg-American.

Cincinnati, N. Y.-Hamburg, June 17
Pres. Lincoln, N. Y.-H'burg, June 21

Blue her, N. Y.-Hamburg, June 24
K. A. Victoria, N. Y.-H'burg, June 24

Holland.

Noordam, N. Y.-Rotterdam, June 20
Rotterdam, N. Y.-Rotterdam, June 27

Leyland.

Devonian, Boston-Liverpool, June 17
Canadian, Boston-Liverpool, June 24

North German Lloyd.

Koenigin Luise, N. Y.-Medit, June 17
K. W. Der Grosse, N. Y.-B'm'n, June 20

P. Fr. Wilhelm, N. Y.-B'm'n, June 22
Berlin, N. Y.-Mediterranean, June 24

Kron'n Cecillie, N. Y.-B'm'n, June 27
Red Star.

Lapland, N. Y.-Antwerp, June 17
Vaderland, N. Y.-Antwerp, June 24

White Star.

Baltic, N. Y.-Liverpool, June 17
Zeeland, Boston-Liverpool, June 20

Oceanic, N. Y.-S'hampton, June 21
Cedric, N. Y.-Liverpool, June 24

Cretic, N. Y.-Mediterranean, June 24

NEWS NOTES.

Pawtucket, R. I.—The Highland Floral Co. have closed their store here.

Leavenworth, Kans.—Miss Lilla E. Goodman, who has the management of the Sunnyside Floral Co., since the opening of the salesroom at Fifth and Shawnee streets, resigned her position June 3.

Detroit.—Another old landmark had to make room for encroaching commercialism and B. Schroeter's flower store is no more. Many a sorrowful event has been made more bearable and many a joyful happening has been enhanced by the innumerable artistic floral arrangements conceived and executed at this horticultural beehive. While Mr. Schroeter will be somewhat inconvenienced for a short time, next fall will see him blossom out with an establishment more convenient and attractive than the old.

ALEX. McCONNELL

571 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill
Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or
Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N. Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

WHAT ARE YOU DOING

to make June, the month of Brides and Graduations a busy and Profitable One for You?

Boxes and Crates

are being shipped from our warehouses every day to florists all over the country, containing just the goods that the public are eager for at this season. Are any of them billed to you? If not you are neglecting your opportunity. There's as good money in them for you as for the other man who is stocking up and getting ready and knows why?

For Spring Weddings we offer Bridal Bouquet Holders, Fancy Baskets in Great Variety of Style and Material. Also of the latter we have a Superb Stock in Novelty Quality for School Graduations, Commencements, etc.

Behind These Goods

stands the name and guarantee of the oldest, largest and best-known Florists' Supply House in America. Quality, Freshness, Servicability and Prices are unrivalled. Send for price list and suggestions on seasonable standard goods and novelties and mention Horticulture when writing.

THE Florist Supply House of America

Without A Competitor

H. BAYERSDORFER & CO., 1129 Arch Street, PHILADELPHIA, PA.

PRINTING SPECIAL OFFER

I make a specialty of printing office stationery for Florists and Gardeners. Bill Heads, Note Heads, 250 Cards or Envelopes, printed on good paper, prepaid for 50¢; 250 of each (4 kinds) \$2.75.

WILLIAM C. SCHAFER, - Dover, Delaware

Hatcher

Estab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dana Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**
Tel. Wellesley 44-1 and 2. Night 44-3

In ordering goods please add "I saw it in HORTICULTURE."

PHILADELPHIA NOTES.

The manufacturers' exhibition which opened at Atlantic City on the 13th inst. (and continues for two weeks) is as elaborate as last year in its use of plants, flowers and decorative material, and the Habermehls of Philadelphia have been once more entrusted with this big job. Carloads of materials and their best men, with a corps of workmen, went forward weeks in advance and stayed on the contract until finished.

Visitors: James Farrell, Hoopes, Bro. & Thomas, West Chester, Pa. R. T. Brown and Joseph Dauphin, Queens, N. Y.; Winthrop H. Thurlow, West Newbury, Mass.; H. A. Bunyard and J. H. Pepper, New York City; M. C. Ebel, Madison, N. J.; C. A. Reeves, Mrs. and Miss Reeves, Cleveland, O.; S. G. Harris, Tarrytown, N. Y.; Bertrand H. Farr, Reading, Pa.; J. A. Styer, Concordville, Pa.; George H. Patterson, Fairlawn, N. J.; A. Anderson, Hackensack, N. J.; Mr. and Mrs. James M. Thoirs, Camden, N. J.; Harvey Schieff, Pittsburg, Pa.

NEWS NOTES.

Newark, N. J.—The partnership of Kroehl & Schutzi, florists, has been dissolved.

Attleboro, Mass.—D. E. Newell has retired from the florist business, and is succeeded by Martin Ockert.

Shelbourne Falls, Mass.—Paul Burtt, who recently bought the florist business of Lucius S. Fife, will take possession July 1st.

Apponaug, R. I.—On account of ill health W. B. King expects soon to re-

tire from the florist business. His son will continue the business.

New York, N. Y.—Joseph Leikens expects to open his new store at 20 W. 57th street, about Aug. 1. He is now in temporary quarters at his Plaza Hotel branch.

Gretna, La.—B. M. Wichers, florist, has won his case against the New Orleans Acid and Fertilizer Co., and gets \$1000 damages. He claimed that fumes from the company's plant killed plants and flowers in his gardens.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.
Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.
Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.
Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.
Kansas City, Mo.—Samuel Murray, 912 Grand Ave.
Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.
Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—W. H. Long, 412 Columbus Av.
New York—Young & Nugent, 42 W. 28th.
New York—Dards, N. E. cor. 44th St. and Madison Ave.
St. Paul, Minn.—Holm & Olson.
Toronto, Can.—J. H. Dunlop, 96 Yonge St.
Washington, D. C.—Gude Bros., 1214 F St.
Wellesley, Mass.—Tailby.

DESIRABLE STOCK FOR

Weddings and Commencements

Valley, per 100 - - - \$3.00 to 4.00
 Sweet Peas, per 100 - .75 to 1.00
 Beauties, the best, per dozen 3.00

New Dagger Ferns, per 1000 \$1.00
 " " " Extra quality per 1000 1.50

The Leo Niessen Co.

1209 Arch Street, - PHILADELPHIA, PA.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
 MANUFACTURERS
 PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
 Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

John Kruchten

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES AND CARNATIONS

Our Specialties.

George B. Hart

WHOLESALE
 FLORIST

24 Stone St., Rochester, N.Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

In ordering goods please add "I saw
 it in HORTICULTURE."

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on
 these Wholesale Flower Pages

The Advertisers Represented Here are the Leading
 Concerns in the Wholesale Flower Trade

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
 ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
 BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON June 15	CHICAGO June 13	TWIN CITIES May 25	PHILA. June 13
Ara. Beauty, Fancy and Special...	15.00 to 25.00	30.00 to 35.00	28.00 to 32.00	20.00 to 25.00
" Extra	12.00 to 15.00	25.00 to 30.00	18.00 to 25.00	12.00 to 15.00
" No. 1	8.00 to 10.00	20.00 to 25.00	10.00 to 18.00	8.00 to 10.00
" Lower grades	2.00 to 4.00	5.00 to 8.00	5.00 to 10.00	3.00 to 5.00
Bride, 'Maid, F. & S.	4.00 to 5.00	5.00 to 8.00	8.00 to 10.00	5.00 to 8.00
" Lower grades .....	.50 to 1.00	2.00 to 4.00	6.00 to 8.00	2.00 to 4.00
Richmond, Chateaux, Fancy & Special	4.00 to 8.00	5.00 to 8.00	6.00 to 8.00	5.00 to 8.00
" Lower grades .....	.50 to 2.00	2.00 to 4.00	4.00 to 6.00	2.00 to 4.00
Killarney, My Maryland, Fan, & Spl.	4.00 to 8.00	5.00 to 8.00	4.00 to 10.00	5.00 to 8.00
" Low grades .....	.50 to 1.00	2.00 to 4.00	6.00 to 8.00	2.00 to 3.00
CARNATIONS, First Quality..	1.00 to 2.00	2.00 to 3.00	4.00 to 5.00	2.00 to 3.00
" Ordinary .....	.50 to 1.00	1.00 to 1.50	3.00 to 4.00	.50 to 1.00
MISCELLANEOUS				
Cattleyas	40.00 to 50.00	30.00 to 50.00	40.00 to 50.00	40.00 to 50.00
Lilies, Longiflorum	3.00 to 4.00	6.00 to 10.00	8.00 to 10.00	8.00 to 12.00
Lily of the Valley	1.00 to 4.00	3.00 to 4.00	..... to 4.00	3.00 to 4.00
Peonies	1.00 to 4.00	1.00 to 4.00	..... to 2.00	2.00 to 6.00
Daisies .....	.50 to 1.00	..... to 1.00	.50 to 1.00	.75 to 1.00
Snapdragons	3.00 to 5.00	4.00 to 6.00	4.00 to 6.00	..... to 1.00
Sweet Peas .....	.50 to .75	.50 to 1.00	.75 to 1.00	.50 to 1.00
Gardenias	12.00 to 15.00	..... to 15.00	15.00 to 20.00	8.00 to 15.00
Adiantum	1.00 to 1.25	..... to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax	12.00 to 16.00	15.00 to 20.00	15.00 to 25.00	15.00 to 20.00
Asparagus Plumosus, strings (100)	..... to 50.00	50.00 to 75.00	60.00 to 70.00	..... to 50.00
" " & Spreng. (100 bchs.)	..... to 40.00	35.00 to 40.00	30.00 to 40.00	25.00 to 30.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
 PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

HOERBER BROS., 51 Wabash Ave., CHICAGO, ILL. Cut Flowers

Long Distance Phone Randolph 2758 Telegraph, Telephone or Bring in Your Orders. We Grow Our Own Flowers, ALWAYS GOOD, FRESH STOCK.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
 especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building

28 STATE ST. - BOSTON

Telephone, Main 58.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs,
 All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75 per 1000. Green and Bronze Galax, 90c. per 1000; by the case, \$7.50. Boxwood, 50-lb. case, \$7.50; by the lb., 25c. Laurel Wreaths, 10-inch, \$1.75 per doz.; 12-inch, \$2.25 per doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50 per doz. Laurel Trimming, 4 and 5c. per yd.

Flower Market Reports

This market is "short"

BOSTON on nothing in the flower line, but decidedly "long" on many things. Long Beauties take the lead in demand, and next to them no rose has a better standing than Carnot which is coming in gloriously. Of carnations there is an avalanche still, and the majority of the blooms are low in quality and short of life after arrival in the market. Peonies are plentiful, but of inferior quality as a rule. The general tone of the situation is depressed, and prices are demoralized. The buyer, when he materializes, commands the homage of the seller, and gets it without a struggle.

There was an abun-

BUFFALO dance of everything in the market the past week and business was only fair. Peonies were at their height and another week will see their finish. Roses are arriving in poor condition. Maryland in pink seems to stand the warm weather better than Killarney, though Bridesmaid is preferable. Kaiserin and Carnot are leaders and no better have been had this season than at present. Beauties are in good supply, also lilies, sweet peas, lily of the valley, daisies, etc., but demand is only light. Another week and graduation exercises will be in order and the trade is prepared to finish the balance of the month in a good old-time hustle.

The sales of the vari-

CHICAGO ous wholesalers differ considerably at this time, caused largely by the amount of shipping trade they possess. City trade is dull. The usual orders for stock for commencement are pouring in from all over the state, and, as is always the case, include a request for many times the quantity of yellow roses available. This favorite class color causes the Perle to be in even greater demand than the Bride roses in June. Sweet peas are also in good demand, though long-stemmed ones have the preference and bring double the price of the short ones. Carnations vary greatly; there are quantities of small and soft stock, but some growers are cutting very fair carnations for the season. There is a good demand for Beauties. Red roses also sell readily, and in fact good roses that will stand shipping are used to advantage each day. There is no change in the smilax situation, the scarcity of which makes what little there is sell at any price the grower asks. Asters made their appearance this week, the stock not being particularly attractive. The gladiolus season is nearly over here, which with the iris, will materially reduce the stock of showy summer flowers very early this year. The demand for gardenia as a June flower is rapidly growing.

Business since the

CINCINNATI first of June has been only fair. The continued hot weather has played



TYING TAPE SPECIAL

A new Pennock-Meehan introduction for tying boxes and packages. It is a highly finished extra quality tape, very strong and almost as economical as ordinary twine, adds elegance and exclusiveness to the box or package.

PER 1000 YARD SPOOL, \$1 75

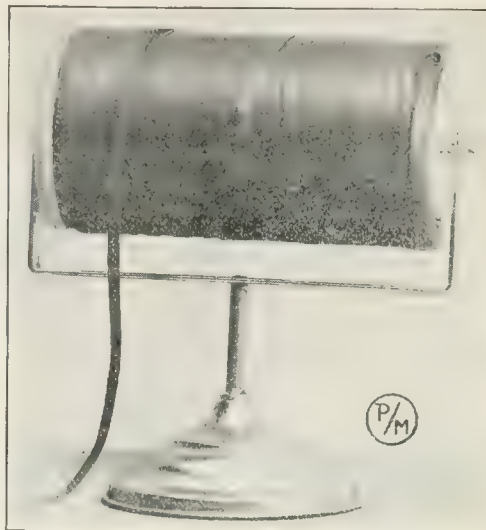
Stock Colors: Foliage green, orchid, violet, red, light blue and white.

We can furnish special colors to match any color box on three week' notice.

Tape Reels or Holders

Gun Metal, an elegant counter requisite.

\$1.50 EACH



S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE PHILADELPHIA FLORISTS OF

NEW YORK
109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	CINCINNATI May 25		DETROIT June 6		BUFFALO June 13		PITTSBURG June 13	
Am. Beauty, Fan. and Sp.....	8.00	to 12.00	25 00	to 30 00	20.00	to 25.00	20.00	to 25.00
“ Extra	4.00	to 6.00	20 00	to 25 00	10.00	to 12.00	12.00	to 15 00
“ No. 1.....	.....	.....	15 00	to 20 00	0.00	to 8.00	6.00	to 8 00
“ Lower grades.....	.....	.....	4.00	to 12 00	2.00	to 4.00	3.00	to 4.00
Bride, 'Maid, F. & S.....	4.00	to 6.00	0.00	to 8 00	5.00	to 6.00	0.00	to 10.00
“ Low. gr.....	2.00	to 3.00	4.00	to 6 00	2.00	to 3.00	4.00	to 6.00
Richmond, Chateau, Fancy & Special	4.00	to 6.00	0.00	to 8.00	5.00	to 6.00	0.00	to 8 00
“ Lower Grades.....	2.00	to 3.00	4.00	to 6 00	2.00	to 3.00	3.00	to 4.00
Killarney, My Maryland, Fan. & Spl.	4.00	to 6.00	0.00	to 8 00	6.00	to 8.00	6.00	to 8.00
“ Low. Grades.....	2.00	to 3.00	4.00	to 6.00	2.00	to 4.00	3.00	to 4.00
CARNATIONS, First Quality .....	.....	to 3.00	2 00	to 3.00	1 50	to 2.00	.....	to 2.00
“ Ordinary .....	.....	to 2.00	1.00	to 2.00	1.00	to 1.50	.75	to 1.00
MISCELLANEOUS								
Cattleyas.....	50.00	to 75.00	50.00	to 75.00	25 00	to 35 00	40.00	to 60.00
Lilies, Longiflorum.....	4.00	to 6.00	.....	to 12.50	8.00	to 10.00	.....	to 8.00
Lily of the Valley.....	1.00	to 3.00	3 00	to 4.00	3.00	to 4.00	2.00	to 4.00
Peonies.....	.....	.....	.....	.....	3.00	to 5.00	.....	.....
Daisies.....	.25	to .50	.50	to 1.00	.50	to 1.00	.....	to 1.00
Snapdragon.....	2.00	to 3.00	3.00	to 8 00	.....	.....	.....	.....
Sweet Peas.....	.25	to .35	.50	to 1 00	.40	to .75	.50	to .75
Gardenias.....	.....	.....	.....	to 25.00	.....	.....	.....	.....
Adiantum.....	.....	to 1 00	1.00	to 1.50	.50	to 1.50	1.00	to 1.25
Smilax.....	.....	to 12.50	.....	to 15.00	.....	to 15.00	.....	to 15.00
Asparagus Plumosus, strings (100)	.....	to 35.00	20.00	to 30 00	40.00	to 60.00	40.00	to 60.00
“ “ & Spreng. (100 bchs.)	.....	to 25.00	20.00	to 30 00	25.00	to 50.00	.....	to 40.00

havoc with stock. Beauties are plentiful and poor. There was an exceptionally heavy demand for pink roses of which there is a decided shortage. Taft easily leads all other pink sorts, the quality being exceptionally good. Killarney is next in line, while 'Maids are of such poor quality they are hardly worth mentioning. White roses are just about equal to the demand. Kaiserin and Ivory are the best in quality, while Brides are on par with

'Maids. Carnations are over-abundant and the greater portion of those received are of an inferior grade. Lilies seem to have fallen off in demand and price, the supply increasing. The last of the cold storage peonies are gone. Shasta daisies have made their appearance and are an acquisition for June wedding decorations. Gladioli Augusta Victoria are good property. Smilax is on the short side, other green goods in ample supply.

(Continued on page 895.)

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Tel. 759

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending June 10 1911		First Half of Week beginning June 12 1911	
American Beauty, Fancy and Special.....	5.00	to 15.00	5.00	to 15.00
" " Extra.....	5.00	to 10.00	4.00	to 6.00
" " No. 1.....	4.00	to 6.00	3.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Bride, 'Hald, Extra and Special.....	3.00	to 4.00	2.00	to 4.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Richmond, Chateau, Extra and Special.....	3.00	to 6.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 2.00
Killarney, My Maryland, Extra and Special.....	2.00	to 4.00	2.00	to 5.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Carnations, First Quality.....	1.00	to 1.50	1.00	to 2.00
" " Ordinary.....	.50	to .75	.35	to .75
Peonies.....	1.00	to 4.00	1.00	to 4.00

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Flower Market Reports

(Continued from page 893)

DETROIT Market conditions of last week were extremely trying to everybody concerned. Unusual weather conditions forced the growers to ship immense quantities to the market, while retailers, although very busy, bought cautiously because they knew that stock would not keep any length of time. On the other hand the commission man was kept busy receiving and dumping horticultural products, and at the same time trying to maintain half-way decent prices. Just now we are having a cold wave and the next few days at least will see sturdier and more lasting stock. Several retailers are booking large weddings for the last week of the month which indicates that this branch of the business will come up to the usual standard.

NEW YORK An abundance of all kinds of stock of a quality ranging from worthless to good, and very little business, is the condition prevailing now. Growers of roses have shown no disposition as yet to throw out and replant, with the result that there are many more than can be sold except at lot prices. Maryland and White Killarney are the best of the small roses with Beauty as the choice of all and they are cheap. The sweet peas are generally of poor quality. Up to this time outdoor stock has been spoiled by the frequent rains. Peonies are looking seedy and are on their last legs. Plenty of good lily of the valley is to be had this week, while lilies are hard to dispose of at any price. On the whole this week is the worst of the season. There is a big crop of carnations coming in and while the quality is fair for the season they cannot be cleared even at the lowest quotations.

PHILADELPHIA If the mountains of poor stock could have been eliminated, and only the first class flowers left, last week's business would have been considered excellent for all concerned. As it was, the wholesale markets were congested with carloads of flowers of all kinds, indoors and outdoors, that had no business being sent to market. All that this inferior stuff accomplishes is to worry the wholesaler (trying to find a market for it) and choke the wheels of legitimate business. Such stock had far better be kept at home, saving expressage to

market, and cartage to the dump after it has accomplished its evil mission of upsetting everything and doing no good to itself. But "twas ever thus," and we suppose human nature will have to change before things are ever any different. Commencements and weddings were, of course, the leading features in the week's business, and these called for large quantities of good roses, good sweet peas, and good lily of the valley. Cattleyas also moved a little better. Sunday was what is known as "children's day" in the churches of many denominations, and while flowers were used profusely, they were mostly from home gardens, the roadsides, and woods; and the demand in market circles was very limited. American Beauty was the most satisfactory item in the rose line. "Carnations," as one wholesaler puts it, "are in their second childhood," meaning that a whole lot of these are still being sent in that had far better be kept at home. Peonies are about over in this market—and "the market" draws a sigh of relief. They are bulky and hard work handling—for the money they bring—especially distasteful from the commission standpoint. It does not pay the commission man to handle low-priced bulky stocks. Lilium candidum is now arriving and selling fairly well. Longiflorum lilies are also in good shape, fine quality, and find a ready market. Callas are done. Snapdragon has run down badly in the past few weeks and is now nearly on its last legs. Coreopsis, cornflower, lupins, gypsophila, etc., are among the conspicuous minor items now in that are not seen regularly on the market. The "Baby Gladioli" which have formed such an attractive feature of the market for the past month, are now over and their place is taken to a limited extent by the large flowering sorts, greenhouse grown; but there does not appear to be any large supply of these, and we cannot look for the regular gladiolus season to commence for some time yet. White lilac—greenhouse grown—is still on the market and nice stuff for this season of the year, but it

is about over now. John McIntyre is one of the chief handlers of this item.

ST. LOUIS This market was in a very poor condition the past week. There was lots of stock to be had but all of poor quality and at cheap prices.

There was plenty of work with the retailers. The commission men cleaned up pretty well on roses, gladioli, lily of the valley and lilies, but carnations and sweet peas were too many to

(Continued on page 901)

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 10 1911		First Half of Week beginning June 12 1911	
Cattleyas.....	20.00	to 25.00	15.00	to 35.00
Lilies, Longiflorum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	1.00	to 2.00	1.00	to 2.00
Daisies.....	.10	to .25	.10	to .25
Snapdragon.....	2.00	to 3.00	1.00	to 3.00
Sweet Peas (per 100 bunches).....	2.00	to 6.00	2.00	to 6.00
Gardenias.....	10.00	to 12.00	10.00	to 15.00
Adiantum.....	.50	to 1.00	.50	to .75
Smilax.....	8.00	to 12.00	6.00	to 10.00
Asparagus Plumosus, strings.....	.....	to 50.00	.....	to 35.00
" " & Sprigs (too bchs).....	15.00	to 25.00	10.00	to 20.00

PEONIES AT WHOLESALE

'Phone us how many you want

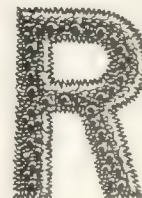
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Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. J. Dysart, 28 State St., Boston.
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AGERATUMS

A. N. Pierson, Inc., Cromwell, Conn.

ALYSSUM

New Alyssum Variegated Little Gem, sport from Green Little Gem, very dwarf. Plants 2½ inch pots, \$1.00 per doz., \$6.00 per 100, \$50.00 per 1000. Sample plants, 15c. Joseph Traudt, Canajoharie, N. Y.

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AMPELOPSIS VITICOLA

Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

ARAUCARIAS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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ARTSTONE FLOWER VASES

Patrick Grace, Brighton, Mass.
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ASPARAGUS

A. Leuthy & Co., Roslindale, Mass.
Asparagus Plumosus Nanus.
For page see List of Advertisers.

Asparagus Sprengerii, 4 in., extra strong, \$7.00 per 100. J. S. Pfeuffer, Glen Riddle, Pa.

ASTERS

Asters, strong plants from selected seed. Queen of the Market, White, \$1.50 per 1000. Cash. James J. Bates, Akron, N. Y.

Asters, mixed, Queen of the Market and Semples Branching. Good plants; 40c. per 100, \$3.50 per 1000. Miss Alicia Fowler, Union City, Ind.

AZALEAS

P. Ouwerkerk, Hoboken, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
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Loechner & Co., New York, N. Y.
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BAY TREES

A. Leuthy & Co., Roslindale, Mass.
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Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 50 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultze, College Point, Queensborough, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
For page see List of Advertisers.

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Godfrey Aschmann, Philadelphia, Pa.
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BEDDING PLANTS—Continued

Geraniums Ricard, Nutt, Montmort, La Favorite, and Mrs. Landry, 7c. Heliotrope, Salvias, Canna robusta, African and French Marigold, Petunia California, all 3½ in., 5c. Verbenas, Alternanthera, red and yellow, Lobelia, Single Petunias, Mme. Salerol, Phlox Drummondii and Feverfew, 2½ in., 3c. H. Hansen, Malden, Mass.

Geranium Poitevine, Viald, Jaulin, La Favorite, English Ivy, Salvia Bonfire, Heliotrope, Fuchsias, Double White Feverfew, 3½ in., \$6.00 per 100; Geranium Sallerol, German Ivy, Double Sweet Alyssum, 3 in., \$5.00 per 100; White Marguerite, 3 in., \$4.00 per 100; Coleus, G. Bedder, Verschaffelti, Queen Victoria, 2½ and 3 in., \$2.50 and \$4.00 per 100; Green Cannas, 3½ in., \$5.00 per 100; Achrysanthes Lindenii, Ageratum, Double Lobelia, Dusty Miller, Verbenas, 2½ in., \$2.50 per 100; Abutilon Savitzii, 2 in., \$3.00 per 100. Cash. F. Sokol, Worcester, Mass.

BEGONIAS

A. Leuthy & Co., Roslindale, Mass.
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Skidelsky & Irwin Co., Philadelphia, Pa.
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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

For page see List of Advertisers.

A. N. Pierson, Cromwell, Conn.

Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

BOILERS

Kroeschell Bros. Co., 466 Erie St., Chicago.
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BOXWOOD

Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultze, College Point, Queensborough, N. Y.

BOXWOOD TREES

New England Nurseries, Inc., Bedford, Mass.
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Boblink & Atkins, Rutherford, N. J.
For page see List of Advertisers.

A. Leuthy & Co., Roslindale, Mass.
For page see List of Advertisers.

Julius Roehrs Co., Rutherford, N. J.
Box Trees all sizes. Ask for special list.

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A. T. Boddington, 342 W. 14th St., N. Y.
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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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"Buds," New York, N. Y.
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James Vick's Sons, Rochester, N. Y.
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Loechner & Co., New York, N. Y.
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John Lewis Childs, Flowerfield, L. I. Spring Bulbs.

For page see List of Advertisers.

BULBS AND TUBERS—Continued

The W. W. Barnard Co., Chicago, Ill.
Import Bulb List.

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Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
For page see List of Advertisers.

CANNAS

Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

CARNATION STAPLE

Pillsbury's Carnation Staple, 50c. per 1000, postpaid. L.L. Pillsbury, Galesburg, Ill.

CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
For page see List of Advertisers.

Chicago Carnation Co., Joliet, Ill.
For page see List of Advertisers.

CHRYSANTHEMUMS

SMITH'S CHRYSANTHEMUMS.

WEEKLY BULLETIN.

Fine stock for immediate delivery, not less than 25 at hundred, and 250 at thousand rate. The flowering season is in the order given beginning with the earliest.

WHITE

Beatrice May	100	1000
Miss Clay Frick	3.00	25.00
Pres. Taft	3.00	25.00
Mrs. Wm. Arnold	3.00	25.00
Mlle. Margaret Desjouis	3.00	25.00
Tim. Eaton	3.00	25.00
W. H. Chadwick	3.00	25.00
Jeanne Nonin	3.00	25.00

YELLOW

Yellow Oct. Frost	100	1000
Donatello	3.00	25.00
	5.00	45.00

PINK

Glory of Pacific	100	1000
Pacific Supreme	3.00	25.00
Gloria	3.00	25.00
Mrs. Wm. Wincott	3.00	25.00
Patty	4.00	35.00
Mayor Weaver	3.00	25.00
Minnie Bailey	3.00	25.00
Helen Frick	3.00	25.00
Mlle. Jeanne Rosette	3.00	25.00

RED

L'Africane	100	1000
Intensity	4.00	\$35.00
	4.00	35.00

Those interested in ANEMONES, POM-PONS and SINGLES will be quoted upon application.

This bulletin will be changed each week to comply with stock on hand.

ELMER D. SMITH & CO., ADRIAN, MICH.

Chas. H. Totty Madison, N. J.

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Wood Bros., Fishkill, N. Y.

For page see List of Advertisers.

Elmer D. Smith, Adrian, Mich.

For page see List of Advertisers.

Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

Herrington's book on the Chrysanthemum mailed to your address for 50c, by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

For List of Advertisers See Page 900

CHRYSANTHEMUMS—Continued

Chrysanthemum, rooted cuttings, R. Haliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonnafton, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hlbert & Hammen, 313 Belair Road, Baltimore, Md.

Strong R. C. October Frost, first topping from cold frame stock, \$15.00 per 1000. Killarney, White Killarney and Richmond, 2 yr. grafted stock, \$10.00 per 100. Cash. I. M. Rayner, Greenport, L. I., N. Y.

100,000 Chrysanthemums, R. C. in 20 leading standard sorts, \$2.00 per 100; 500 and up, \$15.00 1000. Benj. Connell, Merchantville, N. J.

CINERARIAS

Cinerarias, best strain dwarf, 2½ in., \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

COBAEAS

500 Cobaea Scandens, 4 in., \$4.00 per 100, purple. Or will exchange for Bostons. Fischer Bros., 614 Dempster St., Evanston, Ill.

COCOANUT FIBRE SOIL

20th Century Plant Food Co., Beverly, Mass. For page see List of Advertisers.

COLEUS

R. Vincent, Jr. & Sons Co., White Marsh, Md. For page see List of Advertisers.

Coleus, strong 2½ in., \$1.25 100; \$12.00 1000. Six varieties including Golden Bedder and best red.

J. E. Jackson, Gainesville, Ga.

A. N. Pierson, Inc., Cromwell, Conn.

CONIFERS

Eastern Nurseries, Jamaica Plain, Mass. For page see List of Advertisers.

CROTONS

F. R. Pierson Co., Tarrytown-on-Hudson, New York. For page see List of Advertisers.

CUT FLOWER BOXES

Edwards Folding Box Co., Philadelphia. For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

CYCLAMENS

Cyclamen—Best Varieties in different colors, 3 inch pots, strong plants, \$10.00 per 100, \$80.00 per 1000. Julius Roehrs Company, Rutherford, N. J.

DAHLIAS

Herbert, Acto, N. J. For page see List of Advertisers.

R. Vincent, Jr. & Sons Co., White Marsh, Md. For page see List of Advertisers.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

DAHLIAS NEW FOR 1911.

Dorothy Peacock, Mrs. J. Gardner Cassett, Golden Wedding, New Century Dahlias, etc. Big stock of best cut flower dahlias. Write for surplus list and special prices. Peacock Dahlia Farms, Williams-town Junction, N. J., Post Office, Berlin, N. J.

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A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass. For page see List of Advertisers.

Robert Craig Co., Market and 49th Sts., Philadelphia, Pa.

For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

For page see List of Advertisers.

DRACAENAS

Dracaena Indivisa, extra good stock, 6-in., \$6.00 per doz.; 5-in., \$4.00 per doz.; 4-in., \$2.50 per doz. Vinca, variegated, 4-in. pots, \$10.00 per 100. Cash. Chas. H. Green Spencer, Mass.

DRACAENAS—Continued

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

EVERGREENS

New England Nurseries, Bedford, Mass. For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J.

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T. C. Thurlow's Sons, West Newbury, Mass. For page see List of Advertisers.

EXCHANGE

To Exchange—200 Coleus fancy Phisters and Verschaffeltii, 100 Feverfew double white and yellow, 100 Centaurea Gymnocarpa, 50 Calendula Meteor, 50 mixed Fuchsias, 50 Salvia Silver Spot, 50 Salvia Patens, blue, all strong 2 inch, 2c. Small ferns and 2 inch Enchantress Carnations. D. W. Leatherman, Anderson, Ind.

FERNS

A. Leuthy & Co., Roslindale, Mass. For page see List of Advertisers.

H. H. Barrows & Son, Whitman, Mass. For page see List of Advertisers.

John Scott, Brooklyn, N. Y.

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Frank Oechslein, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa. For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N.J.

FERTILIZERS

20th Century Plant Food Co., Beverly, Mass. For page see List of Advertisers.

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill.

Wizard Brand Cattle Manure.

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Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

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FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

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Fitzgerald-Morey Co., Brighton, Mass.

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John McKenzie, North Cambridge, Mass. Best Standard Varieties.

S. A. Nutt Geraniums, 3 in. pots, 6c.; 2½ in., 4c.; in bud and bloom. Geo. P. Gridley, Wolfboro, N. H.

S. A. Nutt Geraniums out of 3½ in. pots, \$5.00 100. Coleus, Verschaffeltii, Golden Bedder and mixed, out of 2½ in. pots, \$2.00 100. Heliotropes, from 3 in. pots, \$4.00 100. Barrow The Florist, Meriden, Conn.

Geranium, Double Grant, bud and bloom, 4 in. pots, 6c.; 3½ in., 5c. Geranium Saleroi, Coleus, Salvia, 2½ in., 2c. Ferns Scottii, Piersoni, Boston, 5 in., 35c. and 25c.; 4 in., 15c. Cash. Arthur Cornelis, Somerville, N. J.

Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

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Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

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Peerless Glazing Point.

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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish foods, nets, etc., wholesale. Franklin Barrett, breeder, 4815 D St., Philadelphia, Pa. Large breeding pairs for sale. Send for price lists.

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HYDRANGEAS

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New York.
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The true blue French Hydrangea from
5½ and 6 in. pots, sky blue, from 8 to 16
branches, \$9.00 per dozen. Best selected
plants, \$12.00 per dozen. Cash please. A.
Schultheis, College Point, Queensborough,
N. Y.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotide kills all greenhouse pests.
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Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. J. P.
Beermaker, 9 Washington Ave., St. Louis,
Mo.

GYPSY MOTH CREOSOTE.

The original Gypsy Moth Creosote, made
especially by us for the Gypsy Moth Com-
mission. Limpid at all temperatures, com-
pletely penetrates the nest; kills all eggs.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.

IVIES

Surplus German Ivy, Alternanthera,
Sweet Alyssum, 2 in., 2c. Will exchange
for "Mums." E. A. Chipman, Woonsocket,

JAPANESE LILIES

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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SETS

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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards,
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

Orchid Growers' Manual. By B. S. Wil-
lams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

PALMS

A. Leuthy & Co., Perkins St. Nurseries,
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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES

PEONIES—1200 sorts, an enormous stock
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunias (Dreer's), mixed, 2½ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
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Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

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PRIMULAS

Primulas Chinese, fine plants. 2½ in. \$2.00 per 100; 300 for \$5.00. J. C. Schmidt, Bristol, Pa.

PRIVET

Cal. Privet, 18 to 24 inch., \$10 1000; Amoor River, 18 to 24 inch. \$16 1000. All 2 year, well branched. In storage for immediate shipment, f. o. b., cash with order. Have about 10,000 each kind. Order quick. VALDESAN NURSERIES, Bostic, N. C.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIAS

Salvia Splendens, strong plants from cold frame, 75c. per 100. Miss Alicia Fowler, Union City, Ind.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

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SWAINSONA

Swainsona. Strong 2¼ inch. bud and bloom, \$3.00; 3 inch, \$5.00 per 100. Union City Greenhouses, Union City, Pa.

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Golden Self-Branching Celery.
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Tomato plants: Acme, Jewel, Stone, Champion, Earliana. Just right for field. Transplanted, 80c. per 100; out of 3 in. pots, \$1.50 per 100. Cash, please. W. C. Lester, Plainville, Conn.

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VINCAS

Vinca variegata, 2 inch, 2 cts.; rooted cuttings, \$1.00 per 100. Russell Bros., R. E. 4, Syracuse, N. Y.

Vinca variegata from 3 in. pots, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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Brush Seed Co., 889	McManus, Jas., 894		
Breck, J. & Son, 889	Met. Material Co., 903		
Breitmeyer, J. Sons, 890	Michell, H. F. Co., 889		
Bridgman's Seed Warehouse, 889	Michigan Cut Flower Ex., 895		
Budlong, J. A., 892	Millang, Chas., 894		
"Buds", 889	Millang, F., 894		
Burpee, W. A. & Co., 889	Miller, E. S., 872		
Chicago Carnation Co., 871	Moltz, A. & Co., 894		
Childs, John Lewis, 888	Moninger, J. C., 903		
Clarke's, D. Sons, 890	Moore, Hentz & Nash, 894		
Coldwell Lawn Mower Co., 887	Murray, Samuel, 890		
Cooke, John M., 871	N. E. Nurseries, 872		
Cowee, W. J., 894	Niessen, Leo Co., 892		
Craig, Robt. Co., 872	Nicotine Mfg. Co., 901		
Crawshaw G. W., 894	Oechlin, Frank, 872		
Jards, 890	Ordenez Bros., 870		
Dawson, H. S., 872	Ouwerk, P., 885		
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Eastern Nurseries, 872	Peters & Reed Co., 902		
Edwards Folding Box Co., 892	Pierce, F. O. & Co., 903		
Elliott, W. Sons, 886-901	Pierson, A. N., 872		
Elder, J. G., 903	Pierson, F. R. Co., 872		
Ernest, W. H., 902	Plant Food Co., 901		
Eyres, 890	20th Century, 872		
Farquhar, R. & J. Co., 889	Poehlmann Bros., 892		
Fitzgerald-Morey Co., 872	Pratt, B. G., 901		
Foley Mfg. Co., 903	Pulverized Manure Co., 901		
Foot, J. W., 871	Reed & Keller, 894		
Ford, M. C., 894	Reinberg, Peter, 892		
Ford, W. P., 894	Rice, M. & Co., 870		
Fottler, Fiske, Rawson Co., 889	Rickards Bros., 889		
Fox Hall Farm, 888	Robinson & Co., 892		
Froment, H. E., 894	Rock, Wm. L., 890		
Galvin, Thos. F., 891	Roehrs, Julius Co., 870		
Glendale Nurseries, 871	Roland, Thos., 870		
Gloeckner, Carl R., 889	Rolker, A. & Sons, 902		
Grace, Patrick, 902	Sander & Son, 870		
Greater N. Y. Florists' Asso., 894	Schaffer, Wm. C., 891		
Grey, T. J. Co., 889	Schulz, Jacob, 890		
Gude Bros. Co., 890	Scott, John, 872		
Hall Asso., 903	Sharp, Partridge Co., 903		
Hart, Geo. B., 892	Sheridan, W. F., 894		
Hatcher, 891	Siebrecht & Siebrecht, 894		
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Hillinger Bros., 902	Smith, P. J., 894		
Hoeber Bros., 892	Smith, E. D. & Co., 871		
Holland Corres. School, 900	Smith, W. & T. Co., 885		
Holm & Olson, 890	Smyth, Wm. J., 890		
Horan, E. C., 891	Standard Plate Glass Co., 903		
Hunt, E. H., 901	Stearns, A. T. Lumber Co., 903		
Jager, Chas. J., 901	Stump & Walter Co., 901		
Jansky, J., 892	Sylvania Pottery Co., 902		
Ky. Tobacco Product Co., 901	Tailby, 891		
Kasting, W. F. Co., 895	Thorburn, J. M. & Co., 889		
Kelvan Co., 894	Thurlow's T. C. Sons, Inc., 895		
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Kruchten, John, 892	Vick's, Jas. Sons, 889		
Kuebler, W. H., 895			
Lager & Hurrell, 870			

Flower Market Reports

(Continued from page 895)

clean up daily. Prices are low on carnations, \$1.50 per 100 for choice and 40 cents for poor grades; sweet peas 10 to 25 cents; roses, \$4 to \$8; lily of the valley \$3; lilies \$10, and gladioli \$5 to \$8. The dry and hot weather has played havoc with out-door stock and growers need rain badly.

The excessive heat experienced here during the latter part of May (94 to 96 degrees in the shade for a week) completely carried off all outside spring flowers and seriously threatened the killing of carnations in the field. Since then some heavy rains have saved the situation, and the plants have started to make a good growth. Memorial Day trade was the heaviest ever experienced here. Cut flowers were very scarce and of course there was a sharp advance in price, which tended to help the men who grow more pot plants than cut flowers. For the first time the school children were asked to bring pot plants to decorate the soldiers' graves, in place of cut flowers. Over 1000 were donated and many a one was thankful for the innovation, as their gardens were spared the visits of those who are not particular how they gather stolen flowers. There have been cases known where flowers have been stolen even to decorate churches.

The condition of WASHINGTON trade varies with different firms, but in the main is good. At Gude's it is stated that commencement business is up to the standard and it is anticipated that trade will keep up strong until the latter part of June, as the presence of Congress helps wonderfully to stall off the slump that occurs usually in mid-summer. Others report business slackening up on commencement work and little trade coming in from high school commencements. Children's day was generally observed in Washington by the churches which held exercises appropriate to the occasion. Flowers, palms, potted plants, and canaries which sang during the exercises, were striking features in most cases. Stock is fairly plentiful. An unusually strong demand is reported for white roses and white carnations for this time of year. Dorothy Perkins rose is coming in plentifully and is being used with fine effect in decorative work. The rains of the early part of the week have helped general conditions materially.

O. J. Olson, of St. Paul, has an excellent article on "The Care of Cut Flowers" in the "Minnesota Horticulturist" for June. The paper is illustrated, showing the proper kind of vases for various flowers, methods of packing, instructions as to time and manner of cutting, etc.

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Vegetables, salading, herbs, their cultivation for exhibition and home use. An English work by Edwin Beckett, V. M. H., F. R. H. S., Member of the Royal Horticultural Societies' Fruit and Vegetable Committee, Winner of numerous cups and gold medals in highest competition, and one of the greatest exhibitors of the age. Each vegetable is given an

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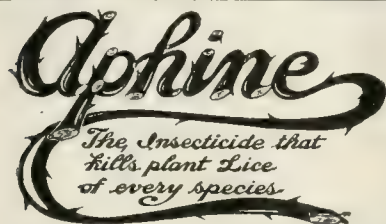
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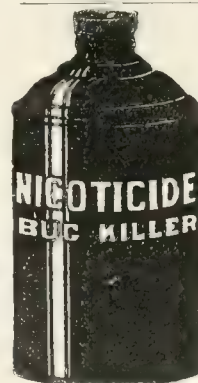
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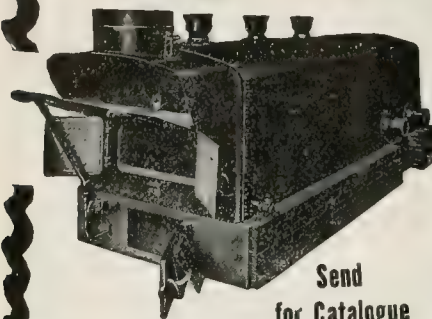
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Storm Lake, Ia.—John L. Munson informs us that he is building two houses, each 22x75 feet, instead of one as was reported in the June 10 issue of HORTICULTURE.

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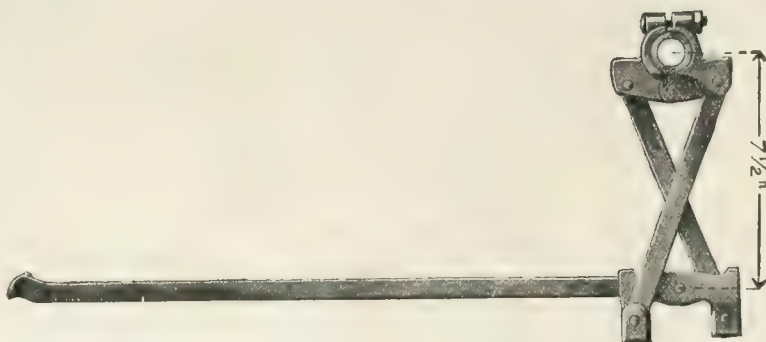
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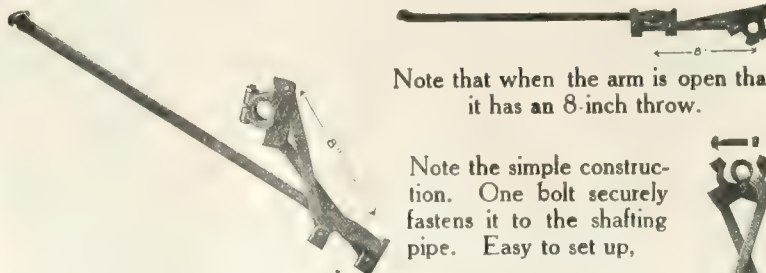
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HORTICULTURE

Vol. XIII.

JUNE 24, 1911

No. 25



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Seasonable Notes on Culture of Florists' Stock

ASPARAGUS PLUMOSUS

In growing this desirable and marketable product give sufficient headroom to have fine long strings, and if possible a solid bed that has been deeply dug. Where such a bed is once planted it should yield good returns for at least four years. Place a good layer of drainage in the bottom and on this fill to the depth of at least one foot of a rich compost of equal parts of rather heavy turfy loam and old cow manure. Select sturdy plants from 4-inch pots and set the plants from 10 to 12 inches apart in the rows, and from 15 to 18 inches between the rows. When the new growth assumes the character of running vines, it is time to adjust the strings. Give regular attention in keeping them trained to the strings and the management of the beds will be an easy matter. Give plenty of water, both overhead and at the root. Red spider and thrips are some times very troublesome. A vigorous overhead syringe will keep the foliage bright and keep red spider down. Thrips can be kept down by spraying with a nicotine solution. In regard to temperature they can be treated the same as smilax.

CARE OF ASTERS

As soon as the buds begin to form and right along through their entire season, if the weather is dry, they will require great quantities of water so as to bring forth a crop of large and perfectly formed flowers. There should always be some means of giving them the hose in prolonged dry spells. A good dusting of fertilizer spread between the rows and worked in will be of great help now. For the aster beetle syringe the plants with a teaspoonful of Paris green to a pail of water every ten days until the plants begin to flower. Keep the asters in the field free of weeds and the soil loose and open by frequent hoeings. In planting the latest batch of asters select if possible a cloudy and moist day for the work.

HYDRANGEAS

Plants that were propagated last February and given a judicious pinching back should by this time be worked up into nice compact and shapely specimens. After the first week in July all pinching or stopping on young stock should be discontinued for the season, for if followed up any later it will mean a sacrifice of bloom. When grown in pots all summer they should be plunged in coal ashes outdoors and exposed to the full sun until the first frosts. See that they have water at the roots whenever they may need it. Keep shifting them as they become potbound until the last of August or the first week in September, when they should have their last shift into either 6, 7 or 8-inch pots as the difference in vigor may indicate. These plants are great feeders and should have a soil of a rather heavy nature, with a third of well-decayed manure and some bone dust in their shifts. The principal points are to

have them make a strong growth during the summer and have the wood well ripened by the fall.

PELARGONIUMS

As these plants go out of flower they will require a season of rest. Give them a place outdoors where they will have full sun and reduce giving them water gradually, so as not to encourage new growth. As the leaves naturally take on a golden color, the plants should be placed on their sides and kept dry for two or three weeks to secure a thoroughly ripened up growth. In August prune them into shape, shake all the old soil from the roots and pot into pots just big enough to hold them. Give them a coarse turfy loam with about a fourth of well-decayed manure and pot quite firmly. For good sized plants for next spring you should take cuttings now.

STOCKS FOR NEXT WINTER

To have stocks for flowering during the winter they should be sown now in pans or shallow flats of light soil with plenty of sand in it, as there is then less liability of the seedlings' damping off. They should be potted when of sufficient size, using any good soil, and placed in frames under elevated sashes to afford a free circulation of air. When the plants have filled these pots with roots they should be shifted into 4 or 5-inch pots and kept in frames until late fall. As soon as the buds can be distinguished you can tell the double ones by the point of the buds being more stubby, while the single ones will be more slender. Throw out all the single ones as soon as they can be detected, as they are almost valueless as a cut flower. Any good compost such as will grow roses or carnations, will grow good stocks. When planting set them a foot apart in the rows and about 14 inches between the rows. They can be grown in any house where the night temperature can be kept from 45 to 50 degrees; anything higher will give poor flowers. There are a number of special forcing varieties, but I like Princess Alice, and Beauty of Nice the best.

SUMMER CARE OF PALMS

A good many of the larger and tougher-leaved palms will be benefited by a short sojourn out of doors at this time of the year, if a suitable place can be found for them—one where the fierce sun and dry winds cannot damage them. Under the shade of trees is a good place. All large palms such as latania, phoenix, kentia, also ficus, dracaena, croton, aspidistra and various other large and small inhabitants of the palm house will do well outside. Plants that should not be exposed to the risks and frequent sudden changes of outdoor weather condition are aloccasias, fancy caladiums, marantas, dieffenbachias and all ferns pushing forth a new crown of fronds. As growth is very rapid now they should receive some weak cow manure water once a week. As the rains wash off the shading it will be necessary to use some more whitening as palms are very easily scorched now. Give air freely and syringe a couple of times during the day which keeps the foliage clean and assists materially in keeping down scale and mealy bug. If scale becomes troublesome there is nothing better than Aphine. It can be applied one day, and with a good pressure with the hose it will come off the next day.

John J. M. Farrell

Mr. Farrell's next notes will be on the following: Cyclamen; Orchids; Ferns for Dishes; Geraniums for Winter Flowering; Mignonette; Nephrolepis.

HORTICULTURE

VOL. XIII

JUNE 24, 1911

NO. 25

PUBLISHED WEEKLY BY
HORTICULTURE PUBLISHING CO.
 11 Hamilton Place, Boston, Mass.

Telephone, Oxford 292.

WM. J. STEWART, Editor and Manager.

SUBSCRIPTION PRICE

One Year, in Advance, \$1.00; To Foreign Countries, \$2.00; To Canada, \$1.50.

ADVERTISING RATES.

For inch, 30 inches to page \$1.00
 Discounts on Contracts for consecutive insertions, as follows:
 One month (4 times), 5 per cent.; three months (13 times), 10
 per cent.; six months (26 times), 20 per cent.; one year (52 times),
 30 per cent.

Page and half page space, special rates on application.

Entered as second-class matter December 8, 1904, at the Post Office at
 Boston, Mass., under the Act of Congress of March 3, 1879.

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The Grass Seed Combine

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A warning

This office has received, in two instances, recently, advertising copy from parties in France, offering French bulbs for delivery in America at prices far below what we know to be the normal market values. This was sufficient to arouse suspicion, as was also the stipulation of a large per cent. of cash in advance and, the parties being unknown to us, the advertising orders were pigeon-holed and inquiry made of reliable French exporting houses which elicited replies confirming our suspicion. One of our correspondents advises that we sound a warning to buyers of French bulbs who may be approached by these irresponsible people. It is stated that many large firms have been victimized, attracted by the low prices quoted and induced to send cash in advance for diseased or wrongly named bulbs. The game is by no means a new one but its repetition does not seem to lessen the number of victims or the audacity of the operators.

Well done

The American Seed Trade Association's very successful meeting at Marblehead this week seems to have fully demonstrated the wisdom of having selected the quaint old rocky New England coast town for this annual gathering. There were misgivings on the part of some that the remoteness of Marblehead from the centre of activity in the seed trade would have an unfavorable effect upon the attendance but in this foreboding they were happily mistaken. The unusually large number of ladies present shows that the delights of sea air and rugged shore scenery were no small factor in inducing members to make the trip from far-away Nebraska and other inland states and we have no doubt that the ladies are entitled to much of the credit for some of the pilgrimages. It is a grand tribute to any such association that men of such large business affairs, with weighty responsibilities, should consider it worth their while to travel such distances for the purpose of attending its meetings and assisting in its deliberations. The American Seed Trade Association is more strongly intrenched than ever as a potential factor in the life of the American seed trade, in consequence of this inspiring exhibition of loyal interest.

The Lure of the Iris

The fascination of a beautiful flower is resistless. We have been but recently aroused to the peculiar charms of the Iris. In fact the newer kinds were not heard of ten years ago. Iris was the goddess of the rainbow. In her garments were woven the splendors of the two worlds. This summer in my invalid chair I have watched the unfolding of beauty I never dreamed of. I have 200 kinds of the best, gathered regardless of cost. I had no comprehension of what was in store for me. If you are sick do away with your doctors and give yourself to the soothing influence of Nature. I called on our beloved Thurlow of blessed memory in his last illness. He said, "One day I was feeling very badly and hardly knew how I would get through the day. Then Susie and the boys went out and brought in armsful of peonies and placed them in full view. I tell you they almost cured me. Their smiles and fragrance were the most grateful tonics I ever had."

Dear reader, can you realize what it is for a strong man to be laid aside with the burden of disease, to go into a slow and sure decline? As one nears the four-score mark this is inevitable. But then come the compensations, and when I count my blessings there is no room for the grouch. Two sons watch over me with a motherly tenderness, a faithful wife would do too much if I did not call her off, and then comes in the soothing sympathy of Nature. The birds give me their jolliest songs. The robins come and looking out of the corners of their eyes seem to ask, "How do you do this morning?" And then my flowers—the finest earth affords vie with each other—were ever such fascinations unfolded to the light of the sun? The Irises have a charm all their own. The soft velvety beauty, the rich coloring, the exquisite pencilling and veining are past description. Here is *Perfection*, a very tall vigorous robust plant as well as a rapid, multiplier. It is yet rare and costly but is cheap at a dollar. The standards are mauve, often dashed with deeper colors, the inside showing the most exquisite veining. Falls droop outward to show those large beautifully soft and velvety petals. Their color is rich deep violet, veined and traced in the most exquisite manner.

Elegans is a winsome flower. Standards nearly white splashed with violet. These markings are striking and unusual in any flower; inner petals are light lavender. Falls are violet veined with white—one of the choicest. It is some times variable in bloom not showing up as well some years as in others. Well, my pencil seems tired. I may have more to say some other time.

C. S. Harmon

York, Nebraska.

Mushroom Pranks

Mr. Edgar's bed of mushrooms figured in last week's HORTICULTURE surely is an exception and is one of those most complicating propositions which gardeners sometimes find themselves up against. Were there a hard and fast rule which could be set for growing each individual plant or group of plants how much easier it would be and then again only one-quarter of the skill now required to produce first class stuff would be needed. Other instances have come under my notice where growers have diverged from the beaten track of growing methods and still had results. These were mostly cases of obligation there being no alternative, or the stuff in question being of a secondary consideration. Necessity is said to be "the mother of invention," but how many discoveries have been made accidentally.

To go back to the "oddities" of mushroom growing readers will remember my writing of a man who regularly spawned at 60 degrees and had results. Now, Mr. Edgar's bed goes to the other extreme. The wonder is how the mycelium lived through the heat of 110 degrees.

One may be excused for sitting back awhile and then saying these are the ups and downs of a gardener's life but one thing is *sure*—these are exceptions rather than the rule. No one would advocate their adoption for regular use; they are "100 to 1 shots." Such illustrations as these are always interesting to readers of the horticultural press. Why do not more readers of HORTICULTURE come forward as Mr. Edgar has done and give others the benefit of their experience—results which have been obtained when conditions were averse? It is only by using the columns of a widely read paper like HORTICULTURE that this end can be obtained and growers' views exchanged.

George H. Benson

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Write our Advertising Department for rates and information.

AMERICAN SEED TRADE ASSOCIATION

It was a grand and altogether successful affair—that Marblehead meeting—and will stand in the history of the American Seed Trade Association as something delightful in memory. The quaint old New England seaside town gave the visitors an inspiring welcome with glorious weather, punctuated on the first day with a few lively showers as an evidence that Nature had come out of her contrary fit and proposed, hereafter, to do her part for high percent, germination. Quite a number of the visitors came a day or two ahead of the scheduled opening day and found themselves very much at home in the hospitable Rock-mere by the time the first session came to order at the sound of President Page's gavel. The attendance was large and there was an unusual number of ladies. The officers and every member of the executive committee were present and, as the list of members in attendance shows, the various sections of the country were well represented. D. A. Brown, of Cincinnati officiated as official stenographer.

TUESDAY MORNING, JUNE 20.

The first session opened as scheduled, on Tuesday morning, with an address of welcome and description of the various attractions and points of interest in Marblehead, by Edgar Gregory which was much enjoyed. Then President E. L. Page delivered his annual address.

President's Address.

In opening, Mr. Page extended congratulations and felicitations on the work done in the past year and the added number, strength and honor which had come to the Association. He spoke appreciably of the business connections and the close friendships developed in these annual gatherings and declared that the knowledge gained, companionship enjoyed and the privilege of contributing something to the advancement and protection of the seed trade had repaid, many-fold, the effort, the time and the money spent in attending these meetings. He continued:

State Correspondents Useful.

As recommendation number one; I would recommend that each state correspondent be instructed to look up the eligible and desirable seed firms in their state or states, and those that they can personally recommend, secure their applications for membership, if possible, and submit the same to the membership committee for action. It has always been more or less difficult for the officers of the Association, and particularly for our Counsel, to know just the person to write to in any particular state for information upon certain matters and oftentimes the right party was not written to and very often no reply received. Last year for the first time state correspondents were appointed in each state, or nearby state, and it has proven a most excellent plan. So far as I can recall, there has been but one instance of my writing to a state correspondent, without receiving a reply. Our Counsel has also found the state correspondents of great value and help. But it has added largely to his work as well as increas-

ing his efficiency. Therefore as recommendation number two, I recommend that state correspondents again be appointed for the year 1911-12.

A Prosperous Year.

The past year has been a very strenuous one for the seedsmen. Some varieties of seeds were the shortest in years, some in surplus. Some varieties were almost prohibitive in price, some were much below the cost of production. Some varieties contained too much moisture, averaged low in vitality. The season was not a normal one. Business disappointing some months—a surprise others. Our law-makers at Washington sent out as usual millions of free packets. Postmasters in some places insisting on transparent packets. Yet notwithstanding all this, I think, on the whole, the seedsmen had a fairly prosperous year.

Value of Counsel.

There were over sixty bills introduced in the different state legislatures. Recommendation number three: That Counsel be employed to represent

the suggestion of our secretary and delegate, they used but \$125, so there is really left from last year's appropriation \$75. Recommendation number four is that \$75 in addition to the \$75 left from last year, or a total of \$150 be voted to the National Council of Horticulture.

About the Disclaimer.

Some things are old, yet ever new. I do not know if this can be said of our disclaimer or not, but there is one thing certain, that at about every meeting of our Association this matter is brought up and discussed, and only recently a disclaimer was adopted that we thought to be as near perfect as possible. Now, an attorney who is said to have made commercial law a specialty says that unless the disclaimer or non-warranty clause used by seedsmen is placed on stationery between the date line and the signature it is not a part of the contract and is useless. If this is so most of us will have to make some changes and, as this is an important matter, I make recommendation number five; That a committee of three be appointed, one of which shall be our counsel, to consider this matter, and report at a future session of this meeting, if possible, but if unable to do so, report to our Secretary, who shall notify each member of the Association by mail, the findings and decision of this committee.

Seed Legislation.

I wish to say just a few words in regard to legislation affecting the seedsmen. Our Counsel will make a recommendation in his report in regard to this matter, and I wish to heartily second it. I believe the time is at hand when we must expect legislation of some kind. The farmers and grangers are clamoring for pure seed bills, and our lawmakers are ready to listen and introduce bills that will please them. I do believe in federal seed legislation—the kind that will so far as possible, protect the planter and the honest seedsmen. I believe we are bound to have seed legislation. Why not all unite in trying to get federal legislation of a kind that every seedsmen who is doing a straight, legitimate business, can honestly work under. Therefore I would earnestly recommend that some action be taken upon our Counsel's recommendation.

Deaths.

It is with regret that I am obliged to announce that our Association has been sadly invaded during the last year, and that we have lost by death more numbers than in any previous year. Mr. Chas. P. Braslan, of California, known by nearly every seedsmen, Mr. W. A. Denison of New York state; Mr. John L. Turner of the firm of Griffith & Turner, Md.; Mr. Wm. Rennie, of Canada; Mr. R. C. Steele of Steele, Briggs Seed Co., of Canada; Mr. E. L. Coy, one of our honorary members, of New York state, and our former well-known member, Mr. S. M. Pease.

In closing I wish to thank the members of the Executive Committee for the work and help they have given me, also all of the various committees and state correspondents, some of whom



E. L. PAGE

President American Seed Trade Association.

this Association and its members and, if the present Counsel can be engaged at a satisfactory fee, that he be engaged for another year. His services, so far as I know have been entirely satisfactory to the Association and its members. He has been prompt, energetic and successful. He has made a study for our business and of legislative matters affecting the seedsmen and is without doubt the best posted man along these lines in the country.

Council of Horticulture.

There is no question but what the National Council of Horticulture are doing a good work and should be supported. Some of our members in the past have not favored making an appropriation to this Council, but I am inclined to think that it is a lack of knowledge of what this Council is doing and accomplishing, that makes them so feel. At our last meeting we voted an appropriation of \$200 but at

have spent much time and of their means liberally, for the benefit of this Association, as well as all other seedsmen, and, as I have said in your hearing before, no matter who you elect for your President, no one man can do all the work, and in fact can do but little of it. Most of it must be done by the various officers, committees and members, and no matter whether you are an officer, member of a committee or not, each of you have, or should have a work to do, and if that duty is well done, the Association will go on from year to year, as it has in the past increasing not only in members but in quality, power and achievements.

SECRETARY-TREASURER'S REPORT.

Secretary-Treasurer C. E. Kendel made a detailed report of the minutes of his office for the year, a summary of which showed that the receipts had been \$2526.16 and disbursements \$2453.20. The membership up to the opening of this meeting numbered 164.

Committees.

The president appointed the following special committees: On president's address—Leonard H. Vaughan, W. S. Woodruff, J. Chas. McCullough. On obituary—Charles N. Page, H. W. Wood, W. H. Barrett. Audit—S. F. Willard, J. C. Robinson, J. Chas. McCullough.

Miscellaneous business matters occupied the balance of the session.

TUESDAY AFTERNOON.

Soils and Fertilizers.

The afternoon session opened with the reading of a paper on the Relation of Soils and Fertilizers to Seed and Crop Failures, by Dr. H. J. Wheeler of the R. I. State College. Dr. Wheeler spoke at length on the adaptation of weeds, grasses and miscellaneous farm crops to certain types of soil. He told of twenty years' systematic studies carried on at Kingston, R. I., of the effects of natural soil conditions and of artificial cropping and manuring upon the fate the various seeds and seedlings. He reasoned that questions of proper soil conditions and the selection of fertilizers adapted to the maintenance of certain crops may often be of vital importance to the reputation of the seed grower, seed jobber and seed dealer. In fact, it would be well if seedsmen were so fully informed on points connected with soils and fertilizers that they could advise purchasers wisely in order that they might make good use of their seeds.

Departments of the Seed Business.

W. D. Ross of Worcester, Mass., then read a paper on the advisability of carrying "side lines" in the retail seed store. He favored department store methods, and recommended the carrying of a large variety of goods in order to meet the demands of the public according to the business methods prevailing generally at the present time. Agricultural and garden implements, poultry supplies, bee supplies, nursery stock, bulbs and plants, fertilizers, insecticides, etc., would all tend to help through the dull season. All this, of course, should be under the direction of good department managers.

Seed Legislation.

Curtis Nye Smith, counsel for the

Association gave a talk on seed legislation and the best way of combatting same. Dr. C. D. Woods of the Maine Agriculture Experiment Station followed, and deprecated the use of the term "combat." He said the best way to handle a fractious mule is to get so close to the mule that he can't kick. In like manner the seedsmen should get close to the men whose duty it is to legislate. He believed that seed legislation would eventually be looked upon as a good thing for the seed trade. Dr. Woods' views were received with applause and merriment.

Reciprocity.

George H. Clark of Ottawa was called upon for some remarks on reciprocity with Canada, and the probable effect of free peas. He excused himself from expressing any opinion on reciprocity, other than to say he thought it would be a mutual advantage. As to peas he said that the districts of northern Ontario are admirably suited to pea growing, the severity of the climate being death to the weevil. He believed that a well managed seed laboratory would do much to insure wise seed legislation. In nine cases out of ten of complaint as



LEONARD H. VAUGHAN
President-elect American Seed Trade Association.

to vitality, he had found that the fault laid with the farmer himself.

N. B. Keeney thought that reciprocity would not make much difference either way to the seed trade, and S. F. Leonard expressed himself as satisfied that reciprocity would prove beneficial.

Purity and Germination—Their Relative Value.

Dr. Chas. D. Woods being called upon on the above topic, replied that the demand for vitality is much more widespread and insistent than that for purity, in seed tests. The trade should regard the question of vitality percentages as a very serious one, which the laboratories have thus far failed to solve. Results widely divergent follow the lack of uniformity of method, and until some basis of uniform testing has been reached, everything possible should be done to retard legislation on this line. As soon as uniform results from the various testing stations are assured then the seedsmen can say "go ahead." As to purity, how-

ever, he thought the trade could well stand on its record.

F. W. Bolgiano followed Dr. Woods with some remarks on the "purity" question. He believed a central testing bureau, conducted by disinterested parties, would be a great help for the seedsmen. F. H. Ebeling spoke of the difficulties that would be encountered in carrying on germination testing, under extraordinary conditions, such as have prevailed this season.

A paper on Improvement in Grains, by Prof. R. A. Moore of Madison, Wis., was read, but Prof. Moore was not able to be present.

Dr. Wheeler extended an invitation to the members to visit the R. I. State College at Kingston on their way home.

On Tuesday evening a social good time was enjoyed, with music and dancing, etc., in the parlors of the Rockmere. The Wholesale Grass Seed Association in the meantime held a special meeting.

WEDNESDAY MORNING.

Seed Potatoes.

After a number of committee reports, etc., Prof. Chas. D. Woods, Director of the Maine Agricultural Experiment Station at Orono, read a paper on the "Proper Growing and Handling of Seed Potatoes." This was a very interesting paper and provoked considerable discussion. Prof. Woods stated that whatever criticism his remarks conveyed was directed, not against the handler, but against the grower, who could do much better if he were to try. The growers fail to use the best potatoes for seed and they store their stock badly. Secretary Kendel and F. C. Woodruff participated in the discussion, Mr. Kendel considering the methods of cold storage and favoring ice storage as against artificial refrigeration and Mr. Woodruff going on record as prophesying that Maine potatoes would surely lose their prestige if the growers were not careful.

Peas and Beans.

C. N. Keeney, of Le Roy, N. Y., then took the platform with a paper on "Peas and Beans; Future Probabilities and Cost, Supply and Demand." There was no discussion on Mr. Keeney's paper and on its completion adjournment was made.

WEDNESDAY AFTERNOON.

Wednesday afternoon's session was "Executive" and no public report of the proceedings will be permitted. Telegraphic crop reports were a prominent feature of the meeting, coming as they did from widely separated sections, and much interest was manifested in this feature which was of increased volume as compared with last year and was replete with practical information for the members. On adjournment the visitors went—some to the ball game and others to a boat ride in Marblehead harbor.

THE BANQUET.

The banquet at the Rockmere on Wednesday was a most delightful social affair. Many of the ladies were beautifully gowned in honor of the occasion. The hotel did its part right royally. After the coffee, President Page took charge of the exercises and in an eloquent manner expressed his gratification at the success of the

meeting and warmly welcomed the guests. He called severally upon the following gentlemen, all of whom responded in good style with stories and wit until the midnight hour: Messrs. L. H. Vaughan, G. H. Clark, F. C. Woodruff, Harry L. Holmes, J. Lewis Ellsworth, F. H. Smith, W. C. Langbridge, C. F. Wood, S. F. Willard, E. F. Dibble, Linnaeus Allen, C. N. Keeney and F. C. Woodruff, the latter gentleman making the presentation speech accompanying a handsome gold watch to the retiring president amid much enthusiasm and applause. Watson Woodruff read some original poetry on the ball game.

THURSDAY MORNING.

Most of the session of Thursday morning was executive. Papers were read on the Distribution of Fungous Diseases by Seed, by Dr. E. Mead Wilcox, and on the Importance of Live Breeding in the Establishment of Varietal Forms Suited for Special Conditions, by Dr. W. W. Tracy.

The committee on obituary and other special committees made their reports. On motion of Kirby B. White a resolution was unanimously passed calling upon Congress to investigate charges publicly made that the seed trade had been guilty of fraud in importations.

ELECTION OF OFFICERS.

Officers for the ensuing year were elected as follows:

President, Leonard H. Vaughan of Chicago; first vice-president, Marshall H. Duryea, New York City; second vice-president, Edgar Gregory, Marblehead, Mass.; secretary-treasurer, C. E. Kendel, Cleveland, O.; executive, J. H. Ford, E. L. Page, Kirby B. White, C. C. Massie, Henry Nungesser, C. F. Wood.

THAT BALL GAME.

The Grass Seed men and the Garden Seed met on the diamond, Wednesday afternoon, and displayed their respective knowledge of the fine points of the national game. Gordon F. Wood pitched for the Grass Seed contingent, and C. Herbert Coy for the Garden Seed bunch. The catchers were Mr. Hammond and Linnaeus Allen respectfully. Some said that the game was well played on both sides; others asserted that the entire playing was done by the men in the box. All agreed that it was a most inspiring spectacle. When the dust cleared away it was announced that the Grass Seed men were the victors by a score of 3 to 0, and thus it is recorded.

MEMBERS PRESENT.

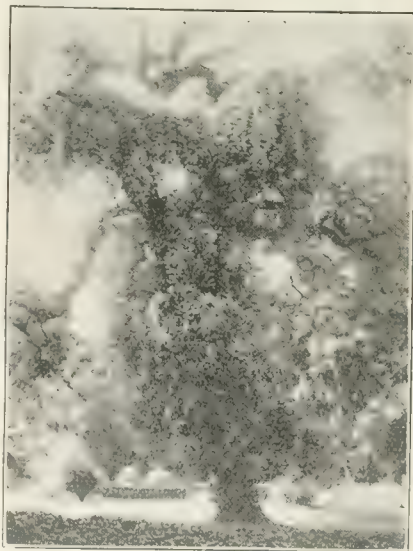
Following is a partial list of those in attendance. Very many of them were accompanied by wives and daughters.

E. L. Page, Greene, N. Y.; Leonard H. Vaughan, Chicago; C. E. Kendel, Cleveland, O.; J. C. Robinson, Waterloo, Neb.; C. N. Page and F. H. Page, Des Moines, Ia.; S. F. Willard, Wethersfield, Conn.; S. F. Leonard, Chicago; Kirby B. White, Detroit, Mich.; A. W. McCullough, Cincinnati; F. W. Bolgiano, Washington, D. C.; J. E. Tracy, Washington; B. Hammond Tracy, Welham, Mass.; Alex. Forbes, New York; C. Herbert Coy, Valley, Neb.; F. P. Kiser, Paris, Ky.; Henry Rix, Omaha, Neb.; H. W. Johnson, Phila.; H. Anthony, Portsmouth, R. I.; O. H. Dods, Boston; F. H. Smith, Norwich, Conn.; C. H. Breck, Boston; E. H. Dibble, Honeyc Falls, N. Y.; W. D. Ross, Worcester, Mass.; J. A. Smith, Toledo, O.; W. E. Stone, Toledo; L. L. Olds, Madison, Wis.; W. D. Steele and E.

F. Crossland, Toronto, Ont.; G. B. Edger-ton, Buffalo; W. S. Phillips, Toledo; C. A. Boller, Rochester, N. Y.; H. Stimmers, Toronto; Ammi Whitney, Portland, Me.; W. B. Currie, Milwaukee; F. W. Eberle, Albany, N. Y.; F. H. Ebeling, Syracuse, N. Y.; H. J. Wheeler, Kingston, R. I.; Curtis Nye Smith, Boston; Wm. J. Stewart, Boston; Jerome B. Rice and W. C. Langbridge, Cambridge, N. Y.; A. N. Clark, Milford, Conn.; W. H. Barrett, Adrian, Mich.; C. B. Coe, Detroit, Mich.; H. W. Wood, Richmond, Va.; Frank Howard, Pittsfield, Mass.; B. F. Brown, Fitchburg, Mass.; L. H. Williams, Norfolk, Va.; J. W. May, Alexandria, Va.; B. W. Delaney, Pittsfield, Mass.; D. A. Brown, Cincinnati, O.; C. S. Briggs, Rochester, N. Y.; Chas. McCullough, Orange, Conn.; J. Chas. McCullough, Cincinnati; A. B. Clark, Green Bay, Wis.; B. C. Cornell, St. Louis, Mo.; W. G. Scarlett, Baltimore; C. F. Wood, Louisville, Ky.; A. E. Reynolds, Crawfordsville, Ind.; F. W. Jaeger, Toledo, O.; Burnett Landreth, Bristol, Pa.; E. J. Sheap, Jackson, Mich.; H. Perkins, Chicago; J. H. Ford, Ravenna, O.; C. N. Keeney, Le Roy, N. Y.; W. S. Griffith, Baltimore; Sam. M. Sibley, Baltimore; W. H. Woodruff, Orange, Conn.; F. G. Johnson, Jackson, Mich.; H. G. Hastings, Atlanta, Ga.; Geo. H. Clark, Ottawa, Ont.; H. A. Sulthorp, Port Hope, Ont.; Linnaeus Allen, Floral Park, N. Y.; O. P. Beckley, Harrisburg, Pa.; L. A. Kelley, Cleveland, O.; F. S. Platt, New Haven, Conn.; F. S. Plant, Webster Grove, Mo.; C. D. Woods, Orono, Me.; O. J. Barnes, Malone, N. Y.; W. W. Barnard, Chicago; I. L. Radwaner, New York; Harry Holmes, Harrisburg, Pa.; Francis Brill, Hempstead, N. Y.; Wm. Rehm, New York; Albert Dickinson, Chicago; Henry Nungesser and M. H. Duryea, New York; L. B. Shoulter, Houston, Texas; Knud Gundestrup, Chicago; F. S. Plant, Webster Grove, Mo.

WHITE BANKSIA ROSE.

The value of this rose in California is well-shown in the accompanying illustration, which we have received from J. A. DeL. Bray, gardener at Eden Vale Park, Eden Vale, Cal. The plant, which has climbed to a height of 60 feet, on a white oak, is 19 years



old and is one of the sights of the park. The picture was taken about May 15, this year. The park as a whole is beautifully laid out, with palm garden, Japanese garden, Chinese arbor, etc., and all kept in fine condition under Mr. Bray's care.

Boston, Mass.—J. B. Velie, Boston manager for Lord & Burnham Co., was operated on for appendicitis, June 20th. The operation was very successful and it is expected that Mr. Velie will be in the office in ten days or two weeks. Until he returns, T. B. De Forest of the New York office will be in charge.

BRITISH HORTICULTURE.

A Rhododendron Display.

The interior of the Royal Horticultural Society's fine hall in London, was lately transformed into an immense rhododendron garden, through the enterprising efforts of Messrs. John Waterer & Sons, of The American Nurseries, Bagshot, Surrey. This noted firm for some years past have made a specialty of rhododendrons, which are grown to perfection in their picturesque Surrey nurseries. The whole of the floor space of the hall was tastefully arranged with floral beds. There were altogether about 1,000 rhododendrons in all their brilliance, 100 varieties being represented, interspersed with a splendid array of Japanese maples, kalmias, palms, etc. Some of the firm's latest introductions were to be seen, besides a selection of the varieties which have now gained a world-wide fame. Prominence was given to an imposing plant of Lady Eleanor Cathcart, standing 10 feet high and carrying about 300 trusses of bloom. The flower is of a bright clear rose tint, with crimson spots. Following their annual custom, early in June Messrs. Waterer also arranged a display in the Royal Botanic Gardens, Regent's Park. Once again they demonstrated the striking effects which can be produced by grouping some of the best known kinds. The exhibition was visited by a fashionable assemblage, and on all sides there were the highest eulogies for the beautiful effect produced. The firm are to be congratulated on the success which attended the special displays, and on their enterprise in extending the popularity of these fascinating flowering shrubs.

A Norwich Flower Show.

In connection with the annual show of the Royal Agricultural Society, to be held this year at Norwich, at the end of June, an extensive horticultural exhibition has been arranged. A valuable collection of orchids will be contributed by Sir Jeremiah Colman and Messrs. Cypher. A new and interesting feature will be a decorative display of ripe fruit. Another new class will be a display of herbaceous flowers, bamboos, lilliums, and foliage arranged for effect. Carnations will be seen in profusion from well known growers. A special marquee will be set apart for sweet peas, and here the latest introductions will be seen. Roses will likewise be a strong feature. Messrs. Hobbies are constructing an artistic rose pergola. Alex. Dickson & Sons are sending a collection of their new hybrid and seedling roses. One section will be devoted to a display of hardy and aquatic plants. There is to be a good array of fruit trees in pots, from the Kings Acre Nursery, who are in addition making an enterprising show this summer at the Festival of Empire at the Crystal Palace.

W. H. ADSETT.

American Photography for June has some very fine examples of tree and flower photography, with useful papers on this topic, by William S. Davis and Roy J. Sawyer. Richard Penlake has a contribution on photographing botanical specimens.

CLUBS AND SOCIETIES

SOCIETY OF AMERICAN FLORISTS
AND ORNAMENTAL HORTICULTURISTS.

At the Mid-Lent meeting of the Society of American Florists and Ornamental Horticulturists the following appropriations were made for the year 1911:

Tariff work of the Legislative Committee, \$100.00; general work of the Legislative Committee, \$100.00; entomologist, \$50.00; pathologist, \$50.00; botanist, \$50.00; annual badges, \$75.00; clerical assistance to Secretary at annual convention, \$50.00; clerical assistance to Secretary at adjourned meeting, \$25.00; sports committee, \$50.00; President's messenger and assistants, \$25.00 or so much of such amounts as might be needed.

Attention should be called to the work of the entomologist, pathologist and botanist. Prof. H. H. Whetzel of Cornell University is the pathologist and has taken up the study of certain plant diseases upon which he will report at the August meeting. Dr. S. A. Forbes, the entomologist, being unable this past year to give the work the proper amount of time, placed it in the hands of Mr. J. J. Davis who presented the report given on pages 34 to 42 of the Twenty-sixth annual report. This is well worth studying. The botanist, Prof. J. F. Cowell, is always ready to help the members on any botanical question. I call your attention to the work of these officers as it is well worth your support.

At the same meeting, on motion by Mr. Pierson, seconded by Mr. Kasting, the adoption of the following amendment was recommended to the Society:

To amend Article IV. Section 2, to read as follows:

Sec. 2. Fees and Assessments.—Any eligible person may become a member of the Society on the payment of \$5.00, and such payment shall cover the annual dues for the balance of the calendar year. The annual dues shall be \$3.00 per year, payable in advance on the first day of January. Any person may become a life member on payment of \$50.00 and be exempt from all further assessments.

The object of this amendment is to make it possible for any person to become a life member of the S. A. F. on the payment of \$50.00 irrespective of the fact that he is already a member or not.

A rate of 13-5 on the certificate plan has been granted by the Trunk Line Association. The New England, the Central and the Eastern Canadian are still to be heard from. Further information regarding rates will appear later.

Department of Registration.

As no objections have been filed, public notice is hereby given that the registration of the roses, "Ruby Queen," "May Queen," "Pearl Queen" and "Royal Cluster," by The Conard & Jones Company, of West Grove, Pa., becomes complete.

H. B. DORNER, Sec.

June 15, 1911.

MINNESOTA HORTICULTURISTS.

The annual mid-summer meeting of the Minnesota State Horticultural Society was held at University Farm, St. Anthony Park, June 15th. Between three and four hundred interested horticulturists and ornamental gardeners

were in attendance. The exhibit of flowers was not quite as large as usual, owing to the extreme earliness of the season. The Jewel Nursery, of Lake City, and the Hoyt Nursery, St. Paul, each made fine showings of peonies and roses. Some forty varieties of peonies were shown by each nursery. Roses were of better quality than usual and of greater variety. A good number of perennials, such as canterbury bells, delphiniums, forget-me-nots, and lilies, were also shown. At noon those in attendance enjoyed a picnic dinner on the campus. The afternoon session consisted of impromptu talks by a large number of practical horticulturists present. This meeting seemed to be characterized by the large attendance of older horticulturists and fruit growers of the state, as well as a large number of members of the Rose Society.

Collections of strawberries were shown by Wyman Elliott, A. Brackett, Mrs. S. R. Spates and Thomas Redpath. This fruit was of fine quality and size. The strawberry crop generally throughout the state is very light, although there is promise of a good crop of apples, plums, grapes and raspberries. The fruit experiment station of the University showed a large number of seedling strawberries, some of good promise, and a few hybrid plums, cherries, peaches, etc., which had been raised in the greenhouse.

NATIONAL SWEET PEA SOCIETY
OF AMERICA.

Program.

First Day. Thursday, June 29th, 1911. 3 P. M.—Address of welcome; President Burpee's address; secretary's report; nomination of officers for 1911; invitations for the next meeting place; paper by Leonard Barron, New York managing editor of the Garden Magazine, "The History of the Sweet Pea"; election of officers.

7 P. M.—Vote on the next meeting place; paper by Prof. Craig or Mr. Beal, Cornell University, Ithaca, N. Y.; addresses and discussions.

Second Day. Friday, June 30th, 1911. 11 A. M.—Question box; unfinished business.

Afternoon—On the invitation of Mr. W. Atlee Burpee, the members of the National Sweet Pea Society will visit the trial grounds of W. Atlee Burpee & Co., at Fordhook Farms, Doylestown, Pa.

NORTH SHORE HORTICULTURAL
SOCIETY.

The regular meeting at Manchester, Mass., of the North Shore Horticultural Society on June 16th was the last till September 15th. A committee was appointed to arrange for a picnic probably August 30th. A delegation from the Boston Gardeners' and Florists' Club is expected to attend. It is to be a basket picnic. The Society voted to furnish coffee, ice cream and punch. Considerable business was transacted. A discussion committee was appointed for the following year and a vote passed that the Society put a float in the July 4th parade.

ROBERT A. MITCHELL, Sec'y.

NASSAU COUNTY HORTICULTURAL
SOCIETY.

The summer exhibition of the Nassau County Horticultural Society was held in connection with the regular monthly meeting at Glen Cove, N. Y., Wednesday evening, June 14. Despite the heavy rains just previous to the show there was quite a good display. Messrs. Duthie, Marshall and Johnstone were the judges and their decisions were as follows:

Collection of T. and H. T. roses—1st, Mrs. B. Stern, gardener G. Auger; 2nd, Mrs. H. L. Pratt, gard. H. Gaut. Var. H. P. roses—1st, Mrs. B. Stern; 2nd, Capt. J. Delemar, gard. R. Marshall. Var. T. and H. T. roses—1st, Mrs. B. Stern; 2nd, Mrs. H. L. Pratt, gard. F. O. Johnson. Vase of H. P. roses, 1 var.—1st, Mrs. Bucknall, gard. Geo. Barton; 2nd, Capt. J. Delemar. Vase of H. T. roses, 1 var.—1st, Mrs. B. Stern; 2nd, Mrs. H. L. Pratt. Collection of Rambler roses—Mrs. H. L. Pratt, 12 sprays Rambler rose, 1 var.—Mrs. B. Stern. Collection herbaceous flowers—Mrs. H. L. Pratt. Vase of peonies—Mrs. Bucknall. Vase perennial delphinium—Mrs. H. L. Pratt. Vase of snapdragon—Mrs. H. L. Pratt. Vase of flowering shrub—J. H. Otley, gard. Jas. McDonald. Vase of ornamental foliage—Mrs. B. Stern. Six var. vegetables—1st, A. G. Hodenpyle, gard. F. Petrocchia; 2nd, J. H. Otley. Lettuce—1st, A. G. Hodenpyle; 2nd, F. S. Smithers, gard. V. Cleres. Cauliflower—Capt. Delemar. Six var. strawberries—Felix Menze. Twelve largest strawberries—Mrs. H. L. Pratt. Dish any other outdoor fruit—Mrs. H. L. Pratt.

A certificate of culture was awarded T. A. Havemeyer, gard. A. Lahodny, for a very fine display of peonies and hydrangeas; also to F. S. Smithers for cucumbers and to A. G. Hodenpyle for mushrooms. Hon. mention to John F. Johnstone for Trachelium coeruleum; also to F. Petrocchia for lettuce.

Mrs. B. Stern of Roslyn has offered a silver cup for a collection of dahlias at the dahlia show. As there was no competition for the prize which J. Ingram offered for sweet peas at this show Mr. Ingram again offered it for competition at the July meeting for 12 varieties sweet peas, 25 sprays of each. The Society's prize will be for sweet peas, 25 pink, 25 white, 25 any other color.

PENNSYLVANIA HORTICULTURAL
SOCIETY.

The regular monthly meeting of this Society was held on Tuesday evening last. The business done was chiefly pertaining to the Sweet Pea exhibition which will be held on the 29th and 30th. Harry A. Bunyard, of New York, secretary of the National Sweet Pea Society, was present, and brought with him the completed schedule, which contains upwards of \$500.00 in prizes in addition to quite a variety of silver cups. Some of the members present thought that the dates were a little too early, but after considerable discussion the dates as arranged by the Sweet Pea Society were adopted. The outlook for the exhibition is very good. W. Atlee Burpee & Co. alone, will fill a space of 400 square feet with their exhibit. The exhibition will be open from 3 P. M. to 10 P. M. on the 29th, and from 10 A. M. to 6 P. M. on the 30th.

W. Atlee Burpee & Co. made an exhibit of sweet peas at this meeting for which they were awarded special mention. The exhibit included some very fine seedlings, among them being a seedling from King Edward 7th, and

also some double flowers of a beautiful shade of pink. Among their exhibit was also an English variety of orange shade which no doubt will be a very desirable addition to the sweet pea family.

Robert Craig was selected to make the address of welcome at the opening session of the Sweet Pea Society.

DAVID RUST, Secretary.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Ladies' Night, looked forward to with ecstatic anticipation by the lads and lassies of horticultural Greater Boston, was celebrated on Tuesday evening, June 20, in a style befitting an organization which has reached its quarter centennial and counts among its family not only some of the most proficient flower and plant men in the world, but also as attractive and fascinating a lot of youthful ladies, regardless of age, as can be found anywhere. On Ladies' Night they all turn out in best attire, all ready to applaud and encore those who seek to entertain them with music, recitation or dance, do credit to the caterer's viands, trip the "light fantastic," or listen with heroic patience while the secretary's minutes, the reminiscences of the oldest inhabitant, or other routine stuff is imposed upon them.

There must have been four hundred or more members, wives, sisters, daughters and sweethearts present on this occasion, and it was pronounced by all to be "the best ever." President Miller was beaming, and his trusty staff of assistants were "right on the job" from start to finish. In the routine club business Mr. Downs reported that the annual picnic had been arranged for July 26, at Caledonia Grove, and asked for a big attendance on that occasion. A communication from Frank H. Traendly was read, inviting the Boston party to join with the New Yorkers on the convention trip to Baltimore. A vote of thanks was accorded. W. J. Stewart, Thos. J. Grey and Kenneth Finlayson were appointed a committee to prepare resolutions on the death of F. R. Mathison. Then came the entertainment, consisting of piano solos by Raymond Pugh, songs by Miss Batley, C. E. Tasker and F. E. Littlefield, recitations by Miss Hayes, and highland dancing by Misses Nellie and Jeannie Irvine, all of which were of a high order of merit, and enthusiastically encored. Interspersed were talks by Wm. J. Stewart, first president of the Club, C. W. Parker, president of the Mass. Horticultural Society, Secretary Parsons of the North Shore Horticultural Society, and Ex-president Thos. H. Westwood. Refreshments and dancing followed. Hutchins' Orchestra furnished the music.

On account of roses being late the Newport Horticultural Society has postponed its exhibition from June 22nd and 23rd to 27th and 28th.

Reports from France on various nursery stocks indicate that there is a great scarcity in cherry and plum seedlings, and in Manetti rose stocks, the late frosts having done much injury.

AMERICAN ASSOCIATION OF NURSERMEN

The 36th annual meeting of this association was held at St. Louis, Mo., on June 14, 15, 16. A large trade exhibit was held on the ground floor and the meeting on the second floor of the Southern Hotel. Secretary John Hall's book showed that four hundred delegates were in attendance. The trades exhibit was in charge of J. W. Schuette, who had everything in readiness when the convention opened. The meeting was opened by President Stark, who introduced Mayor Kreismann, who made a short speech of welcome. He was followed by J. W. Hill of Des Moines, Iowa, in response. This was followed by President Stark's address. This finished, the reports of Secretary Hill and Treasurer Yates, both of Rochester, N. Y., were heard. Then came the reports of the following committees: Transportation, D. S. Lake, Shenandoah, Iowa, and C. M. Sizemore, Louisiana, Mo.; legislation, east of Mississippi River, Wm. Pitkin; west of the Mississippi, Peter Youngers, Geneva, Neb.; tariff, Irving Rouse, Rochester, N. Y.; co-operation with entomologists, J. W. Hill, Des Moines, Iowa; publicity, Orlando Harrison, Berlin, Md.; co-operation with fruit growers and associations, J. M. Irvine, St. Joseph, Mo.; trade opportunities, Jefferson Thomas, Harrisburg, Pa.; nurserymen's share on civic improvements, J. Horace McFarland, Harrisburg, Pa.; membership, John Watson, Newark, N. Y.; root gall, E. A. Smith, Lake City, Minn.; entertainment, F. A. Weber, St. Louis.

The afternoon was taken up by a visit to the Missouri Botanical Garden. The evening session was devoted to a meeting of state vice-presidents, also of the Nurserymen's Protective Committee and the American Retail Nurserymen's Protective Association.

At Thursday's session John H. Dayton of Painesville, Ohio, was elected president; W. H. Wyman, of North Abington, Mass., vice-president; John Hall, of Rochester, re-elected secretary, and C. L. Yates re-elected treasurer. Members elected to the executive committee were E. M. Sherman, H. B. Chase and J. M. Pitkin. A number of interesting papers were read. The afternoon was spent by the delegates and their ladies visiting points of interest throughout the city.

Friday's session was well attended. "How to Extend Our Wholesale Markets," by E. S. Welsh, Shenandoah, Iowa; "How to Extend Our Retail Markets," J. M. Pitkin, Newark, N. Y., and F. H. Stannard, Ottawa, Kans.; "Our Mailing Lists—Who are Entitled to Them?" by E. W. Kirkpatrick, McKinney, Texas, and J. Parker, Tecumseh, Okla.; "Our Mailing Lists—Should They be Classified?" C. J. Maloy, Rochester, N. Y., and N. J. Robinson, Bedford, Mass.; "Our Mailing Lists—How Best Kept Up to Date," by C. J. Brown, Rochester, were among the papers present-

ed. The afternoon was spent on board the steamer Alton for a trip down the Mississippi River to Jefferson Barracks, where the visitors were lavishly entertained.

Resolutions were adopted which will be sent to both houses of Congress, protesting against the passage of the Howard bill, which proposes to put a quarantine on all seedlings and nurserymen's imports from France and other foreign countries. Resolutions were also adopted favoring a federal inspection law. State inspection, now in effect, was approved. The legislative department was authorized in the different states to make test cases of state inspection laws. Protests were entered against state inspectors in Colorado and Montana condemning and destroying large numbers of trees, in enforcement of the state inspection law. The parcels post and 1-cent postage were favored. The tariff schedule for seedlings was approved by the delegates. Seedlings under four years are admitted under the free list and on those over, 25 per cent. ad valorem duty is charged.

Boston was chosen as the place for the convention of 1912.

THE SHAW BANQUET.

The twenty-second annual banquet of the Missouri Botanical Garden, provided for in the will of Henry Shaw, was held on the evening of June 15, in honor of the visiting nurserymen in the Southern Hotel, St. Louis. Nearly all of the 400 delegates were present.

William Trelease, director of Shaw's Garden, presided as toastmaster. He introduced the first speaker, J. H. Dayton of Painesville, Ohio, president-elect of the association, who spoke on "Our Guests." Mr. Dayton accounted for his election on the ground that the association has adopted the custom of electing its officers on the basis of personal beauty rather than oratorical power.

"Ourselves" was the second toast, and was responded to by Adolph Jaenicke. J. J. Beneke, secretary of the St. Louis Florists' Club, responded to the toast "Our Quarter-Centenary." "Our Parks" was responded to by Dwight F. Davis, park commissioner of St. Louis; "Our Opportunities," by J. W. Hill of Des Moines, Ia.; and "Our Plans" by John H. Gundlach, president of the City Council. Mr. Gundlach outlined for the visiting delegates some of the plans on foot for beautifying St. Louis. Dr. J. C. Whitten, professor of horticulture in University of Missouri, spoke last.

The "Technical Educator" devotes a large portion of its issue for May to views on Rochester, N. Y., and notes thereon, naming it the "Highland Park Edition." Many beautiful avenues, private grounds and views in parks are included in the illustrations, such as the residence of W. C. Barry, office of Ellwanger & Barry, etc. A fine portrait of Mr. Barry is given in connection with a paper by that gentleman on The Lamberton Memorial Conservatory.

BOBBINK & ATKINS

WORLD'S CHOICEST FLORIST AND NURSERY PRODUCTS.

We are growing in our greenhouses and in our 250 acre nursery a large variety of material constantly in demand by florists. Our Illustrated General Catalogue describes all the stock we grow. We shall gladly mail it to any florist upon application.

B. & A. SPECIALTIES.

PALMS, BAY TREES, BOXWOOD AND HARDY HERBACEOUS PLANTS, EVERGREENS, ROSES, RHODODENDRONS, VINES AND CLIMBERS, AUTUMN BULBS AND ROOTS, CONIFERS, PINES.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

Nurserymen and Florists

Rutherford, N. J.

During Recess

New York Bowlers.

On Friday, June 16, the scores were unusually good and great expectations as regards the Baltimore trophies are rapidly taking form. Read the following:

Ch'dwick,	170 184 203	Manda,	151 164 164
Rickards,	133 134 158	D'n'ld's'n,	163 264 166
Kakuda,	176 154 146	Scott,	162 147 175
Nugent,	111 114 122	Shaw,	183 157 159

Chicago Bowlers.

Scores for June 13, were as follows:

Pyfer,	92 93 92	Graff,	166 158 160
Wolf,	157 163 181	Byers,	142 169 161
Sch'sm'n,	142 162 153	Fink,	85 96 122
Asmus,	209 203 216		

Kraus,	200 131 122	J. H'b'n'r,	196 160 177
Schultz,	146 168 144	Olsen,	137 193 189
Vogel,	108 114 153	A. H'b'n'r,	145 119 137
Lorman,	173 192 137		

At this game Geo. Asmus made a three-game average of 209 1-3, which is 2-3 higher than that made by A. Fischer last winter and the highest record made within the memory of the team.

The Chicago Carnation Co.'s baseball team played the Marley team Sunday and beat them 11 to 7. Next Sunday they will play against the Lockport team. They have applied for the Highland Park diamond for the season.

Wednesday, June 28, is the date for the annual "Outing" of the New York Florists' Club. Chairman J. S. Fenrich of the Outing Committee has sent out the last call for "All Aboard," the time of sailing being 9.30 A. M. at the East 24th street pier. Those who expect to go should send for tickets at once so that the probable number in attendance may be known and proper provision made for the entertainment and comfort of all.

The management of the Michell baseball team will be pleased to hear from any seed or florists' association having teams in the field, to fill one vacant date each in July and August.

The employees of the Henry F. Michell Company have organized their baseball team for 1911 and the follow-

ing officers have been selected: President, F. J. Michell, Jr.; manager, Maurice Fuld; captain, T. A. Eadon. Games have been scheduled with teams representing Henry A. Dreer, William Henry Maule, Robert Craig and John Burton.

PERSONAL.

David Welch, of Welch Bros., wholesale florists, of Boston, will sail for a trip to Europe, on the Franconia from Boston, June 27.

C. N. Page, president of the Iowa Seed Dealers' Association will start soon for a European trip. He expects to be away about six weeks.

Walter Edmond Eglington has taken charge of the orchid department of P. A. Carbone of Berkeley, Cal., one of the largest orchid establishments on the coast.

Paul Klingsporn, salesman for Berger Bros., Philadelphia, was married on the 17th, to Miss Gherke of Chicago. After the honeymoon at the Delaware Water Gap, the couple will reside at Oak Lane, Philadelphia.

The marriage of Miss Lillian C. Fuller and Dr. Percival N. Nordgren is announced for next Wednesday evening, June 28, at the home of the bride's parents, Mr. and Mrs. Joseph Fuller, Leominster, Mass.

Alex. P. Dewar of R. & J. Farquhar & Co.'s seed store, Boston, sailed for Europe, accompanied by his family, on the Zealand of the White Star Line from Boston, on Tuesday, June 20. Mr. Dewar will be absent for several months.

St. Louis visitors: E. G. Hill and E. H. Mains, Richmond, Ind.; F. H. Wild of Sarcoxie, Mo.

Boston visitors.—Wm. Rehm, representing L. Daehnfeldt, Odense, Denmark; R. J. Irwin, of Skidelsky & Irwin, L. Daehnfeldt, Odense, Denmark, Philadelphia, Pa.; D. F. Roy, Marion, Mass.; E. J. Harmon, Portland, Me.; Joseph Fuller, Leominster, Mass. Also a legion of seedsmen going to or returning from the Marblehead Convention.

When we buy bulbs abroad they are paid for in pounds sterling instead of in dollars. When you go abroad your banker gives you a Travellers Credit on London—not on New York, and you likewise pay tribute to England, whether you travel in Japan or Australia. This is because London is the banking center of the World. When the Bank of England changes the rate of interest, the World sits up and takes notice. Now the Bank of England was founded by a Scotchman primarily to keep the Kings supplied with war money and incidentally maintain the usual commercial supremacy. The strength of this great and powerful institution is owing largely to the fact that the Englishman spends money in accordance with his "income" (pronounced "inkum") which is merely the revenue or earnings of his capital without regard to his income. That's where the British are wise. They are safe. If American business men today would live within their income, there would be fewer automobiles and among florists less glass but their capital would be greater and it would not be long before we had England beaten to a frazzle, even though some of our candy-faced damsels of codfish plutocracy are annually exported with million dollar jack-pots as a bonus for the bankrupt, monocle-eyed element of fancy British breed. It's about time the American heiresses made a mop of the dog-biscuit dukes and cleaned the earth, instead of licking their boots for a title. Invest in bulbs that will net you an income sufficient to warrant the investment or don't invest at all. Horseshoe Brand Cold Storage lily bulbs are the kind that pay a revenue worth while. Write for prices.



Ralph M. Ward & Co.

12 West Broadway
NEW YORK CITY

Not How Cheap
But How Good

After Adjournment

According to a correspondent in the State of Washington, the third Sunday in June has been selected as "Father's Day," and a red rose is to be the emblem. Let the old man sleep and rest that day, and he won't care much what the emblem is.—*Boston Journal*.

Let the old man select his own emblem, "Mourning Bride" or "Bouncing Bet" or "Love in a Mist," might hit his case better.

Because the women at the Chicago Beach Hotel, where the convention was held last year, referred to the delegates of the American Association of Nurserymen as a "bunch of farmers," Chicago lost next year's convention and Boston was chosen.—*St. Louis Exchange*.

Boston is de-lighted and we doubt not her ladies will find some more appropriate and flattering cognomen for the nursery visitors. We don't mind snatching something from Chicago once in a while. It keeps things a-moving.

The name of William F. Kasting of Buffalo, N. Y., has been presented to Governor Dix for his consideration as Commissioner of Agriculture to succeed Raymond A. Pearson, whose term expires soon. Mr. Kasting is park commissioner and is general committeeman of the Thirteenth Ward. The Governor could not name a more industrious and capable man for this important position, and we hope Mr. Kasting may be so honored.

PRESENT-DAY GARDENING.

There is nothing whatever to be said against the modern rage for gardening, which is the most innocent and healthy of amusements, except that it tends perhaps to be too purely horticultural. It has not, says "The Times," the vices of the old kind of horticulture, for no one now tries to make flowers look as artificial as possible; but it has new weaknesses of its own which do to some extent lessen the beauty of the modern garden. There is a rage for newly discovered and for rare and difficult plants, and many a skilful gardener spends all his skill upon horticultural experiments. The enormous variety of hardy plants tempts the ambitious amateur to make a collection rather than to ornament his garden. There are so many of them which he must grow if he is to win the respect of other amateurs that he is apt to find no room for the old favorites, which anyone can grow and everyone ought to grow. In fact, the art of gardening is to some extent affected by the hurry and competition of modern life, and there are fashions in plants as violent and as transient as fashion in dress. With all our advance in horticulture we have not attained, like the Japanese, to any settled canons of judgment. Our fancy is taken by new and lurid colors in flowers, by mere size, or by some violent eccentricity of their habit. But these weaknesses are all part of our general defects of taste. They are not caused by the modern passion for gardening; they may sometimes pervert it. We are learning to think more of the plant than of the cut flower, and that is the beginning of all sound taste. The old kind of flower show encouraged both exhibitors and spectators to think only of the flower and to ignore its relation to the plant. The Temple Flow-

HORTICULTURE

A BEAUTIFUL MEDAL.



Our illustration is from a photograph of the Kroeschell gold medal awarded Charles Strout, Biddeford, Maine, at the recent National Flower Show, Boston, Mass., for the twelve largest carnation blooms. The general design is along the lines of an ancient coin. It is made to be worn as a watch charm, or fob. The charm proper is of solid polished gold; the

lettering on the outer edge rich green enamel; the carnation in the center is carved out of a solid piece of light yellow gold in high relief and rests upon a background of antique rose-colored gold, and these contrasting colors bring out the whole design in a very effective manner. The reverse is finished in Roman colored satin finished gold. It was designed and made by the Schrader-Wittstein Co.

er Show does not foster this kind of error. More and more it becomes a show of plants rather than of flowers; and its enormous popularity is a proof of the growth of good taste in gardening.—*Journal of Horticulture, London*.

CARNATIONS AND AMERICAN BEAUTY ROSES TOGETHER?

"1. Can carnations and American Beauties be grown together? About what temperature? House 65 feet long, 25 feet wide, good light.

"2. At how low a temperature (night) can Beauties be grown?"

"G. J."

1. It would not be advisable to grow American Beauties and carnations in the same house. The average carnation needs a temperature of 50 to 52 degrees, and while there are some varieties like Lawson and one or two other sorts which can be made to do fairly well in a slightly higher temperature, it is not generally found successful to attempt to grow roses and carnations under the same conditions. It would also be difficult to handle these two crops in the same house on account of their requirements not being the same as regards syringing and ventilating.

2. American Beauties demand a temperature from 56 to 58 degrees, 58 degrees probably being the safer mark, even though they can be made to do fairly well in a temperature of 56 degrees.

Wilmington, O.—Fred Weltz succeeds to the business of Geo. Weltz's Sons as the partnership has expired. It is the intention of the present proprietor to put the place in good repair and continue the business.

NEWS NOTES.

Alvin, Texas.—The Stockwell Nursery Co. incorporated, is to take over the business of the Gulf Coast Nursery.

Des Moines, Ia.—Charles N. Page has been elected for the sixth time president of the Iowa Seed Dealers' Association.

Memphis, Tenn.—A greenhouse belonging to Frank Trimble, 23 Diana street, was slightly damaged by fire on June 12.

Nashua, N. H.—George W. Coburn will now do business under the name of George W. Coburn & Son, having taken his son into partnership.

Manchester, Mass.—Axel Magnuson will utilize a large tract of land, recently purchased, for nursery purposes. He will retain the greenhouses on Bridge street.

Moscow, Idaho.—J. L. Bourn's range of greenhouses have been purchased by Scott Bros., of Garfield, Wash., and they will be run in conjunction with their present range.

Charlotte, Mich.—William Breitmeyer, brother of ex-Mayor Breitmeyer of Detroit has purchased three acres of land here and will erect greenhouses to cost about \$15,000.

Mr. Ebel of the Aphine Manufacturing Co. has received the following communication from the Metairie Ridge Nursery Company, Ltd., Harry Papworth, president, New Orleans, dated June 13th:—

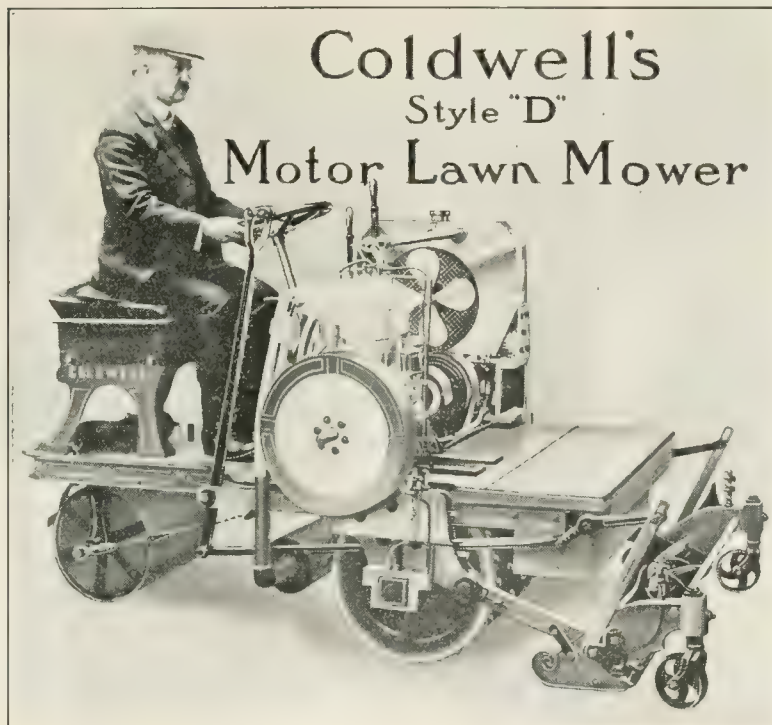
Replying to your favor in regard to your Fungine, we are pleased to say that we have found it a fine fungicide, especially on our Chrysanthemum cuttings, and all cuttings generally. Also fine for mildew on roses. It is the best fungicide we have ever tried. Yours truly, METAIRIE RIDGE NURSERY CO., LTD., per R. E. S.

Coldwell Lawn Mowers

Hand, Horse and Motor

Coldwell's Motor Lawn Mowers

Will do the work of three horse
lawn mowers—and do it better



☞ They will mow up 20 per cent grades. ☞ They leave no hoof prints as horses do.
☞ They will roll the lawn smoothly. ☞ They do away with the expense of two
men and three horses. ☞ They are of no expense when not in use. ☞ They
are simple to operate and economical. ☞ They are a necessity on every large lawn

Catalogue sent on request

Manufactured by

Coldwell Lawn Mower Company

Newburgh, N. Y.

Seed Trade

California Sweet Pea Outlook.

Edwin Lonsdale, resident manager of the Burpee Seed Farm at Lompoc, Cal., reports under date of June 12th: "Our crops are late this year—quite a month later than 1910. This has been a very trying season, but it may turn out all right at harvest time. The sweet peas have brightened up very much in the past few days, and if we get some warm weather they will just jump. Howard M. Earl, manager of our company, paid us a visit last week, and we expect him back again after he has inspected other crops in various parts of California. We have a number of Spencer novelties which he is very anxious to see here, and they will be more advanced by the time he gets back. I am more than ever impressed with the glorious improvement the Spencer type is over the grandiflora, and the end is not yet. We are all watching the new developments with keen interest."

Notes.

Rochdale, Ill.—The Rochdale Seed Co. is erecting a 48 x 82 building adjoining their present quarters.

Champaign, Ill.—L. B. Ransom of Columbus, O., is organizing a seed company and has decided to locate here.

Portage, Wis.—The T. H. Cochrane Co. have increased their capital stock from \$48,000 to \$100,000. They contemplate erecting a large seed house.

Rockford, Ill.—Condon Bros. is a new seed firm with offices at 413 West State street. Both Leonard R. and John R. Condon have been with H. W. Buckbee.

Martinez, Cal.—George A. Putnam, a prominent vineyardist of the Ignacio Valley, has commenced suit in the Superior Court against the Oregon Nursery Co. charging that plants and seeds shipped him by the company had proved worthless. He seeks to recover \$1624, the price of the seeds and cost of planting.

CATALOGUES RECEIVED.

Quaker City Machine Co., Richmond, Ind.—Illustrated Catalogue of Evans Ventilating Apparatus.

Union Nurseries, Oudenbosch, Holland. McHutchison & Co., 17 Murray St., New York, sole agents.—A very complete wholesale list of forest and ornamental trees, shrubs, forcing plants, etc.

Yokohama Nursery Co., Yokohama, Japan.—Descriptive Catalogue of Bulbs, Plants and Seeds, 1911-12. A very attractive catalogue, as always. The colored plates and cover are fine examples of Japanese color printing art. The subjects are peonies, maples, lilies, Iris Kaempferi, flowering cherries, fern designs and porcelain flower pots—to each of which a full page plate is devoted.

June 20, '11.

HORTICULTURE:

Will you please take out our advertisement as we are having more orders for peonies than we can fill.

T. C. THURLOW'S SONS, INC.,
West Newbury, Mass.

PHILADELPHIA NOTES.

Samuel S. Pennock and family left on the 16th inst. for a visit to Westerville, R. I.

William R. Smith and John Clark of Washington, D. C., will take the boat from Baltimore on the 22nd inst. en route for Commodore Westcott's opening at Waretown on the 23rd.

Parry & Le Blache have opened a wholesale flower store at 14 South 17th street. Mr. Parry is well known in wholesale circles in this city and Mr. Le Blache is a grower with greenhouses at Somerdale, N. J.

The new Niessen building at 12th and Race streets is making rapid progress, having now reached the seventh story. The Niessen Company state that they will be doing business in their new quarters by Oct. 1st.

The S. S. Pennock-Meehan Co. have announced that during July and August their store will be closed at 5 p. m. daily instead of 6 p. m., as at other seasons. The Philadelphia wholesale flower trade has been slow in adopting the modern humanitarian system of shorter hours.

The chief event this week in local circles will be Commodore Westcott's opening at Waretown (23rd). The interesting affair for next week will be the Sweet pea show and convention of the sweet pea show and convention of hook at the invitation of W. Atlee Burpee is scheduled among the local courtesies to visitors.

H. L. Holmes of the Holmes Seed Co., Harrisburg, passed through this city on Thursday en route for the seedsmen's convention at Marblehead. He reports a very successful season for his company—withstanding the backward March and April. The demand for their introductions Premo sweet corn and Hauser cabbage has been greater than ever.

That gay troubador of the Reading system, Paul Huebner, will twang his guitar at the July meeting of the Florists' Club on "Railroad Gardening as a Paying Investment." Note that the stated date for this meeting, 1st Tuesday of each month, happening to fall this year on the fourth will be held one week later, to wit: July 11th.

Jno. Stephenson Sons have completed glazing their new house, 70x400 feet, at city line and York Road. Killarney, white and pink, will be the sole crops. Wide passage-ways—enough for a team to drive in are a feature. Soil, manure—going and coming—just like a factory. This is one of the best specimens of Lord & Burnham construction we have seen. The old range of houses, about half a mile nearer the city, will be kept on as usual. Mrs. Jardine rose is a feature there, and Mr. Stephenson has given them all an object lesson on its culture. It is really a great rose, but few know how to handle it.

Visitors this week:—Antoine Leuthy, Boston, Mass., Harry A. Bunyard, New York City.

Grand Rapids, Mich.—Crabb & Hunter Co. have sold their ground at 509 Madison Ave. on which their original greenhouse plant was located to the city, and will remove their houses to the new plant in the suburbs.

'Sparagus Seeds, Etc.

FOR IMMEDIATE DELIVERY

ASPARAGUS

ASPARAGUS plumosus nanus. True greenhouse-grown. 60c. per 100 seeds, \$1.20 for 250 seeds, \$4.00 per 1000 seeds.

plumosus nanus. California-grown, 50c. per 100 seeds, 75c. for 250 seeds, \$2.00 per 1000 seeds.

Sprengeri, 25c. for 250 seeds, 75c. per 1000 seeds, \$3.00 for 5000 seeds.

DRACAENA Australis. Broad foliage. \$1.00 per 1000 seeds, 15c. per 100 seeds.

Indivisa. Long slender leaves, ¼ lb. \$1.00, oz. 30c., pkt. 10c.

DRACAENA CANES:

Porto Rican, 15c. per foot.

Brazilian, 25c. per foot.

PALM SEED

Per 100 1000 10,000

Kentia Forsteriana\$0.50 \$4.75 \$45.00

Kentia Belmoreana (to arrive) .50 4.50 42.50

Cocos Weddelliana 1.00 7.50 70.00

Areca lutescens .100 7.50 70.00

Musa Ensete1.00 7.50

ARTHUR T. BODDINGTON SEEDSMAN

342 W. 14th Street, N. Y. City

VEGETABLE PLANTS

CABBAGE, Wakefield, All Head, Succession, and other varieties, \$1.00 per 1000; 10,000 and over, @85c. per 1000.

LETTUCE, Grand Rapids, Big Boston, Boston Market and Tennis Ball, \$1.00 per 1000; 10,000 and over, @85c. per 1000.

BEEF, Crosby, Egyptian and Eclipse, \$1.25 per 1000.

Cash With Order

R. VINCENT, JR. & SONS CO., WHITE MARSH, MD.

Golden Self-Blanching Celery

White Plume, Giant Pascal transplanted plants, \$2.75 per thousand. Untransplanted plants, \$1.00 per thousand.

FOX HALL FARM NORFOLK, VA.

Headquarters for

SPRING BULBS

Send for Trade List

John Lewis Childs

Flowerfield - LONG ISLAND, N.Y.

HERBERT, ATCO, N. J.

DAHLIAS Every Day in the Year

PATENTS GRANTED.

994,816. Basket for Growing Plants. Helen M. Cahill, Oregon City, Ore.

995,291. Steering Device for Land Rollers. Arthur Samuel Francis Robinson, Beccles, England.

PERENNIAL FLOWERS

Every florist should have a fairly representable collection of "Perennial Flowers" in his establishment be it either for the purpose of growing them for cut-flowers or plant trade. Many of the best varieties are readily grown from seed but in order to have them fairly large in the spring they should be sown in June.

We offer a very complete collection in our "Wholesale Seed Catalogue." Write for it to-day

HENRY F. MICHELL CO., 578 Market St., Phila.

**TURNIP SEED
BEANS**

For immediate delivery

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

Wholesale
SEED GROWERS AND DEALERS

Florists and Seedsmen Sell Your Own Scratch or Poultry Food

We will make it for you under your own brand for
\$28.00 PER TON

Send to-day for sample 100 lb. bag, \$1.50. Mr. C. E. Jensen of Atlantic Co., N. J., on Oct. 27, 1910, writes as follows: — I want to state that your three grades of Poultry Food; Chick Starter Developing Food and "Square Deal" Scratch or Poultry Food stands without an equal to day. They are perfect mixtures and sound in grain and a pleasure to handle.

J. BOLGIANO & SON,

Importers and Wholesalers. Established for 92 Years.
BALTIMORE, - MD.

FINEST FLORISTS' SEEDS

Price list free on request.

Joseph Breck & Sons Corp.
47-54 No. Market St., BOSTON, MASS.

Import Bulb List

Well Worth Reading
SEND FOR A COPY

The W. W. Barnard Co.
109-110 W. Kinzie St., CHICAGO

BRIDGEMAN'S SEED WAREHOUSE

RICKARDS BROS.

Props.

37 East 19th St., - NEW YORK CITY

SEEDS BULBS

For Immediate Planting
Finest Florist Strains

"BUDS"

C. R. GLOECKNER, Pres.
76 Barclay Street, New York



SEEDS, PLANTS, BULBS

All seasonable kinds of best
quality

Special prices on large lots

JAMES VICK'S SONS,

Seedsmen

ROCHESTER, N. Y.

Burpee's Seeds

PHILADELPHIA

Blue List of Wholesale Prices mailed
only to those who plant for profit.

In ordering goods please add "I saw
it in HORTICULTURE."

Farquhar's Flower Seeds for The Florist

Write for our Wholesale
Catalogue

R. & J. FARQUHAR & CO.
Boston, Mass.

Established 1820

**Thorburn's
Seeds**

Asparagus Plumosus Nanus

New Crop Just Received

We offer while unsold as follows:

1,000 seeds	\$2.50.
5,000 seeds and up @	\$2.25 per 1000
10,000 seeds and up @	2.00 per 1000
20,000 seeds and up @	1.75 per 1000

Cold Storage Lily of the Valley Pips

HIGHEST GRADE

Cases of 1000 pips @	\$13.00 per case
Cases of 3000 pips @	36.00 per case

J. M. THORBURN & CO.

38 Barclay Street
NEW YORK

CHOICE SEEDS

FOR PRESENT PLANTING
Stocks, Asters, Chinese Primulars,
etc.

THOMAS J. GREY CO.

32 South Market Street, Boston, Mass.

Braslan Seed Growers Co.

Lettuce, Onion, Sweet Peas,

Growers for the Wholesale
Trade Only.

SAN JOSE, CALIF.

JOHN BREITMEYER'S SONS

Cor. Miami and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

WILLIAM J. SMYTH FLORIST

Cor. Michigan Ave. and 31st St., CHICAGO

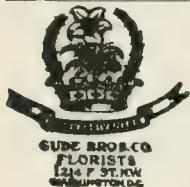
We ship to all points in Illinois and Iowa.

Phones: Aldine 880. Aldine 881. Aldine 882.

SAMUEL MURRAY

**Kansas City, Mo.
913 Grand Ave.**

All Orders Given Prompt and Careful Attention



**WASHINGTON,
D. C.**

GUDE'S

**The Far-Famed Flowers of
TORONTO**

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP

96 Yonge St., - - Toronto, Ont.

The Park Floral Co.

**J. A. VALENTINE
Pres.**

DENVER, COLORADO

WILLIAM L. ROCK FLOWER CO.

Kansas City, - - Mo.

will carefully execute orders for Kansas City and any town in Missouri or Kansas.

W. J. Palmer & Son

304 Main Street, Buffalo, N. Y.

Members Florists' Telegraph Assn.

ALBANY, N. Y.

EYRES
Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

11 NORTH PEARL ST., ALBANY, N. Y.

Of Interest to Retail Florists

Washington.—The silver wedding anniversary of President and Mrs. Taft was an event of much importance to the flower trade. Many of the ladies wore orchids. The interior of the Executive Mansion was decorated with palms, potted plants and great masses of cut flowers, among which Beauties and orchids were prominent. All of Washington florists, and some in other cities, were called on to furnish great quantities of their choicest blooms. Gude sent 25 orders to the White House, chiefly orchids and Beauties. One of the finest pieces was a great silver basket of cattleyas, tied with silver ribbon, for the B'nai B'rith. The Washington florists, Otto Bauer, manager, sent many orders, including several silvered baskets of Beauties.

STEAMER DEPARTURES

American.

St. Paul, N. Y.-S'hampton... June 24
New York, N. Y.-S'hampton... July 1

Anchor.

Caledonia, N. Y.-Glasgow... June 24
Cameronia, N. Y.-Glasgow... July 1

Atlantic Transport.

Minnehaha, N. Y.-London... June 24
Minnewaska, N. Y.-London... July 1

Cunard.

Franconia, Boston-Liverpool... June 27
Campania, N. Y.-Liverpool... June 28
Utonia, N. Y.-Mediterranean... June 29
Caronia, N. Y.-Liverpool... July 1
Saxonia, N. Y.-Mediterranean... July 3

Hamburg-American.

Bluecher, N. Y.-Hamburg... June 24
K. A. Victoria, N. Y.-Hamb'g... June 24
Hamburg, N. Y.-Mediterranean... June 27
Cleveland, N. Y.-Hamburg... July 1

Holland.

Rotterdam, N. Y.-Rotterdam... June 27
Ryndam, N. Y.-Rotterdam... July 4

Leyland.

Canadian, Boston-Liverpool... June 24
Winifredian, N. Y.-Liverpool... July 1

North German Lloyd.

Berlin, N. Y.-Mediterranean... June 24
Kronp'z'n Cecile, N. Y.-B'm'n... June 27
Barbarossa, N. Y.-Bremen... June 29
Prinzess Irene, N. Y.-Mediterranean... July 1
Kronp. Will'm, N. Y.-Bremen... July 4

Red Star.

Vaderland, N. Y.-Antwerp... June 24
Kroonland, N. Y.-Antwerp... July 1

White Star.

Cedric, N. Y.-Liverpool... June 24
Cretic, N. Y.-Mediterranean... June 24
Majestic, N. Y.-S'hampton... June 28
Arabic, N. Y.-Liverpool... July 1
Canopic, Boston-Mediterranean... July 1
Cymric, Boston-Liverpool... July 3

Blackistone had a large number of orders for the anniversary. Marché contributed several baskets of orchids, and one effective arrangement of orchids and roses in a vase. J. H. Small had to send to his New York house to help him fill orders for Beauties and vases of orchids. Many of the floral offerings which gave color and charm to the East Room, the Blue Room and the Red Room at the White House were from foreign governments with the compliments of their rulers.

The season here is about over. Business will be quiet from now on, although there have been a number of weddings in Virginia to help out the trade. What entertaining is done is mostly at the country clubs, where some dinners are being given.

ALEX. McCONNELL

**571 FIFTH AVENUE
NEW YORK CITY**

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or trusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls, 487 and 488 Murray Hill

Cable Address, ALEXCONNELL

NEW YORK

Orders for Steamer, Theatre, Hotel, or Residence Carefully Filled.

Wm. H. LONG

412 Columbus Ave.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Or OUT-GOING STEAMERS

Write or telegraph

2139-2141 Broadway, New York

Telephone 1552-1553 Columbus

Established 1874.

DARDS

FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City

Flowers shipped on all Steamers. Special Correspondents in all the large cities of Europe and the British Colonies. Telegraph and Cable address, Dardspier

YOUNG & NUGENT

42 West 28 St., NEW YORK

"FLOWERS BY TELEGRAPH"

Flower Deliveries

In Brooklyn and other Long Island Points, New York City, New Jersey, etc. At Theatres, Hotels, Steamers or Residences.

WILSON

Fulton St. and Greene Ave., Brooklyn, N.Y.

MATTHEWS The FLORIST

DAYTON, OHIO.

Is elegantly equipped to take care properly of all orders for flowers entrusted to him night or day.

For Dayton, Ohio and Vicinity

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention.

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

BOSTON'S BEST

In Quality and Design

Can be relied upon when you transfer your retail orders to

EDWARD MACMULKIN
194 Boylston Street, Boston

LOUISVILLE, KY.
JACOB SCHULZ,
550 South Fourth Ave.

THE Florists' Supply House of America

— New Goods for —
Graduations and June Weddings.

**H. BAYERSDORFER & CO., 1129 ARCH STREET
PHILADELPHIA, PA.**

CHICAGO NOTES.

Flower Growers' Association.

Several meetings of the board of the Chicago Flower Growers' Association have brought the final arrangements nearly to an end. Though not officially announced it is generally understood that 176 Michigan Ave. will be accepted as the most desirable place for handling the flowers. The choice of manager will be made at the next meeting on Thursday and the Association will be ready for business.

Park Proposition.

A proposition to build a tract of land on the lake front, between and connecting Grant Park on the north and Jackson Park on the south is the latest proposition made by the Chicago Plan Commission. As in the case of Grant Park it would be "made land" and would take several years but would give the people a lake front of five miles, something to be greatly appreciated by the thousands of people who live by the lake for a lifetime and never see it.

Trade Jottings.

The E. H. Hunt Co. has just imported several cases of fine Japanese ware for the supply department.

Beginning July 1st the Schiller Co.

will give its employees the annual outing so much appreciated after a busy season.

J. Schoepfle, 933 Belmont Ave., is fortunate in having selected his greenhouse site many years ago in what has become a good business district of Chicago, too valuable longer to be used for the original purpose. He has just closed a contract to erect a post-office for the use of the government and will remove the greenhouses but the retail store adjoining will be continued.

Personal.

E. F. Winterson, Jr., has returned from a month's trip among the trade.

Lloyd Vaughan and family are planning to take their outing in Canada this year.

Mr. and Mrs. O. P. Bassett, who are visiting relatives here, are purchasing furniture and shipping it to Pasadena, Cal., which they have decided upon as their future home.

Mr. and Mrs. H. C. Wolbrandt of the Globe Greenhouses, West Madison and 53rd Ave., will leave on an automobile trip about July 1st. They will visit Boston, New York and other eastern cities.

On Wednesday morning, June 21, at St. Paul's Church, occurred the wedding of Frank Pasternick and Elizabeth Klineselter. Mr. Pasternick has been for many years buyer for the E. Wienhoeber Co. and is a very popular young man.

G. H. and E. E. Pieser are both far from being as well as their friends in the market could wish. For over thirty years these pioneers in the wholesale cut flower market of Chicago have stood at their post and no one knows the ins and outs of the business better than they.

Visitors.—Leonard Lawson, Rockford, Ill.; C. B. Knickman of McHutchison & Co., N. Y.; H. E. Kidder of Ionia Pottery Co., Ionia, Mich.; Geo. Franks, Champaign, Ill.; H. Roth, Lafayette, Ind.; Mr. McClave, Benton Harbor, Mich.; C. E. Gullett, Lincoln, Ill.; M. F. Nagel (Forester), Santa Fe, N. M.; Wm. Desmond of the L. S. Donaldson Co., Minneapolis, Minn.

NEW FLOWER STORES.

Kenosha, Wis.—P. N. Obertin.
Columbus, O.—Howard & Co., South Fourth street.

Providence, R. I.—M. McNair, Chestnut and Broad streets.

Greenwich, Conn.—Alexander Mead & Son, Greenwich avenue.

CINCINNATI NOTES.

Mr. and Mrs. Ray Murphy left Monday, June 19, for a fortnight's visit to Portsmouth, O.

The outing of the Cincinnati Florists' Society will be held Thursday, July 20, at Coney Island.

Wm. Murphy and S. S. Skidelsky have bought the red seedling carnation Delhi from C. C. Murphy and will disseminate same in the spring of 1912.

NEWS NOTES.

Pittsburgh, Pa.—Fire damaged the East End Floral Co. to the extent of \$100 recently.

Pawtucket, R. I.—The retail store of the Highland Rose Co., 23 High street, has been closed.

Jermyn, Pa.—The florist business of Burton H. Parks has been purchased by James Nicholson.

Findlay, O.—A. H. Marshall has purchased the florist business of S. J. McMichael, for whom he has been manager.

Washington, D. C.—A parcels post would be a great help to florists, the House Committee on Post Offices and Post Roads was told the other day by William F. Gude. Mr. Gude mentioned the extensive violet industry along the Hudson river, the product of which would enter much more largely into commerce if it could be transmitted at reasonable rates through the mails.

"FLOWERS BY TELEGRAPH."

Leading Retail Florists Listed by Towns for Ready Reference.

Albany, N. Y.—H. G. Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher.
Boston—Thos. F. Galvin, 124 Tremont St.
Boston—Edw. MacMulkin, 194 Boylston St.

Boston—Julius A. Zinn, 1 Park St.
Brooklyn, N. Y.—Robert G. Wilson, Fulton St. and Greene Ave.

Buffalo, N. Y.—Palmer's 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Dayton, O.—Matthews, The Florist.
Denver, Col.—Park Floral Co., 1643 B'way.

Detroit, Mich.—J. Breitmeyer's Sons, Miami and Gratiot Aves.

Kansas City, Mo.—Samuel Murray, 912 Grand Ave.

Kansas City, Mo.—Wm. L. Rock Flower Co., 1116 Walnut St.

Louisville, Ky.—Jacob Schulz, 550 South Fourth Ave.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—W. H. Long, 412 Columbus Av.

New York—Young & Nugent, 42 W. 28th.

New York—Dards, N. E. cor. 44th St. and Madison Ave.

St. Paul, Minn.—Holm & Olson.

Toronto, Can.—J. H. Dunlop, 96 Yonge St.

Washington, D. C.—Gude Bros., 1214 F St.

Wellesley, Mass.—Tailby.

Hatcher

Etab. 1877

LEADING FLORIST

Amsterdam, N. Y.

Schenectady, N. Y.

NEW ENGLAND

FLOWER DELIVERIES

Send flower orders for delivery in Boston and all New England points to

THOS. F. GALVIN
124 Tremont St., Boston

TRANSFER

Your orders for flower or plant delivery in Eastern New England to

JULIUS A. ZINN
1 Park St., Boston

WELLESLEY COLLEGE

Dane Hall, Walnut Hill and Rockridge Hall
Schools. **TAILBY, Wellesley, Mass.**

Tel. Wellesley 44-1 and 2. Night 44-3

DURING THE HOT MONTHS

We have of exceptional good quality

Easter Lilies, per 100.....	\$10.00
Valley, per 100.....	3.00-4.00
Sweet Peas, per 100.....	50-1.00
Maryland Roses, per 100.....	3.00-8.00
Kaiserin Roses, per 100.....	3.00-8.00
Dagger Ferns, extra quality, per 1000...	1.50

Business Hours 7 A. M.-6 P. M.

The Leo Niessen Co.

1209 Arch Street, - PHILADELPHIA, PA.

To Cut Flower Growers and Retail Florists

IF YOU

want to find a market for your product

want a regular or special supply of the product of the best growers

Consult the Advertisements on these Wholesale Flower Pages

The Advertisers Represented Here are the Leading Concerns in the Wholesale Flower Trade

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO.

MANUFACTURERS
PHILADELPHIA, PA.

CHAS. W. McKELLAR

51 WABASH AVE. CHICAGO

Western Headquarters for Choice Orchids
Valley, Roses and all Cut Flowers

PETER REINBERG

WHOLESALE

CUT FLOWERS

37 Randolph St., Chicago, Ill.

POEHLMANN BROS. CO.

33-35-37 Randolph St., - CHICAGO

CUT FLOWERS

Greenhouses, - Morton Grove, Ill.

John Kruchten

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES AND CARNATIONS

Our Specialties.

George B. Hart

WHOLESALE

FLORIST

24 Stone St., Rochester, N. Y.

The J. M. McCullough's Sons Co.

WHOLESALE COMMISSION FLORISTS

CONSIGNMENTS SOLICITED

Special attention to shipping orders. Jobbers of Florists' Supplies, Seeds and Bulbs. Price list on application.

Phone Main 584. 316 Walnut St., Cincinnati, O.

WELCH BROS.

AMERICAN BEAUTY, KILLARNEY, RICHMOND, MARYLAND AND ALL THE SUPERIOR
ROSES, LILY OF THE VALLEY, CARNATIONS, ORCHIDS
BEST PRODUCED

226 Devonshire Street,

Boston, Mass.

WHOLESALE FLOWER MARKETS—TRADE PRICES—Per 100 TO DEALERS ONLY

ROSES	BOSTON June 23	CHICAGO June 20	ST. LOUIS June 20	PHILA. June 20
Ara. Beauty, Fancy and Special..	15.00 to 25.00	30.00 to 3.00	20.00 to 25.00	25.00 to 30.00
" Extra.....	12.00 to 15.00	25.00 to 30.00	12.00 to 15.00	20.00 to 25.00
" No. 1.....	8.00 to 10.00	20.00 to 25.00	5.00 to 10.00	10.00 to 15.00
" Lower grades.....	2.00 to 4.00	5.00 to 8.00	4.00 to 6.00	5.00 to 10.00
Bride, 'Maid, F. & S.....	4.00 to 5.00	5.00 to 8.00	3.00 to 6.00	4.00 to 6.00
" Lower grades.....	.25 to 1.00	2.00 to 4.00	1.00 to 2.00	3.00 to 4.00
Richmond Chateaux, Fancy & Spl..	4.00 to 8.00	5.00 to 8.00	4.00 to 8.00	6.00 to 8.00
" Lower grades.....	.25 to 2.00	2.00 to 4.00	2.00 to 3.00	4.00 to 6.00
Killarney, Maryland, Fan. & Spl..	4.00 to 8.00	5.00 to 8.00	4.00 to 8.00	6.00 to 8.00
" Lower grades.....	.25 to 1.00	2.00 to 4.00	2.00 to 3.00	4.00 to 6.00
Kaiserin, Carnot,.....	to	to	to	to
CARNATIONS, First Quality..	1.00 to 2.00	2.00 to 3.00	1.50 to 2.00	2.00 to 3.00
" Ordinary.....	.50 to 1.00	1.00 to 1.50	.50 to .75	1.00 to 1.50
MISCELLANEOUS				
Cattleyas.....	40.00 to 50.00	30.00 to 50.00	to	to 40.00
Lilies, Longiflorum.....	3.00 to 4.00	6.00 to 10.00	8.00 to 10.00	10.00 to 12.00
Lily of the Valley.....	1.00 to 4.00	3.00 to 4.00	3.00 to 4.00	3.00 to 4.00
Daisies.....	.50 to 1.00	to	to	to
Snapdragon.....	3.00 to 5.00	4.00 to 6.00	to	5.00 to 8.00
Gladioli.....	3.00 to 5.00	to	to	to
Stocks.....	1.00 to 1.50	to	to	to
Sweet Peas.....	.50 to .75	.50 to 1.00	.25 to .35	.75 to 1.00
Gardenias.....	12.00 to 15.00	to	to	10.00 to 15.00
Adiantum.....	1.00 to 1.25	to 1.00	1.00 to 1.25	1.00 to 1.50
Smilax.....	12.00 to 16.00	15.00 to 20.00	12.50 to 15.00	20.00 to 25.00
Asparagus Plumosus, strings (100)	to 50.00	50.00 to 75.00	35.00 to 50.00	50.00 to 75.00
" " & Spren. (100 bchs.)	to 40.00	25.00 to 40.00	20.00 to 30.00	to 50.00

J.A. BUDLONG

82-84-86 E. Randolph St., Chicago

OUR STOCK IS A-1 AND IT IS QUALITY NOT
PRICES THAT TALKS

The Largest Florists' Supply House in New England

Everything in Flowers, from Best Growers. Complete stock of Florists' Greens. Ferns, Box, Southern Smilax, Laurel, Leucothoe, Galax, bronze and green, Moss. Three Floors of Baskets, Sheaves, Doves, Cape Flowers and all other supplies.

HENRY M. ROBINSON & CO.,

15 PROVINCE STREET,
9 CHAPMAN PLACE,

BOSTON, MASS.

ROBERT J. DYSART

Public Accountant and Auditor

Simple methods of correct accounting
especially adapted for florists' use.

Books Balanced and Adjusted

Merchants Bank Building
28 STATE ST. - BOSTON
Telephone, Main 58.

TRY MY PRICES.

J. JANSKY, Tel. Main 3652-1, Boston, Mass.

Manufacturer of Florist Wire Designs,
All kinds of Florist Supplies.

New crop Dagger and Fancy Ferns, \$1.75
per 1'00. Green and Bronze Galax, 90c. per
1000; by the case, \$7.50. Boxwood, 50-lb.
cwt., \$7.50; by the lb., 25c. Laurel Wreaths,
10-inch, \$1.75 per doz.; 12-inch, \$2.25 per
doz.; 14-inch, \$3.00 per doz.; 16-inch, \$4.50
per doz. Laurel Trimming, 4 and 5c. per yd.

In writing to Advertisers kindly mention Horticulture

Flower Market Reports

An improved tone is seen **BOSTON** in this market for the past few days. Stock of all kinds has shortened up in quantity, and there has been a brisk demand for whatever good material was offered. In roses the favorites are Beauty and Carnot, with a good second in Killarney, when in presentable shape. Carnations have fallen off badly, the quality being very inferior as a rule. Cattleyas find a good call, and bring top price if large and clean. The good market for lily of the valley continues unabated. Among the good sellers at the moment are the pond lilies, pink and white. Sweet peas seem to be very popular also.

There was very little **BUFFALO** doing up to the middle of the past week. Stock accumulated heavily, and on Friday and Saturday the market could not hold the enormous supply and sell at fair prices. In consequence, there were bargains for all, especially in carnations, which were all cleaned up at low figures. Roses did not suffer, as they had already shortened in receipts on Thursday, and on Sunday the market was practically sold out on everything. On Monday, June 19th, school commencements were in order, and at the close of the day's business nothing was left over, and it is hoped that the market will continue to remain in such condition throughout the month. There was plenty of everything except sweet peas, which were scarce.

A great change has come **CHICAGO** over the market, and stock is now scarce.

Where for weeks it has been impossible to move it, now orders bring a lively hurrying from counter to counter in the wholesale market to secure the stock to fill them. Orders are coming in from all over the country, showing the shortage is general. The extreme hot weather has hurried the throwing out of old stock, and July conditions are here in the middle of June, with weddings and commencements at their height. Some very good carnations are occasionally seen, but the great bulk of the stock is small. Long-stemmed Beauties are in good demand. Good roses, though small, sell readily. Some fine longiflorum lilies are seen, and cut down the sales of the candidum, which are now in the market in vast quantities. Gladioli also, and other summer flowers grown under glass, have helped to make it less lucrative to grow the candidums. Smilax, asparagus plumosus and Sprengerii are all very scarce. A good quality of ferns is now coming from Michigan fully two weeks early, and selling at \$2.00 per 1000. Liliun candidum was shipped from Michigan into Chicago in great quantities the past week. Every wholesaler had a stock on his counters. The June brides would have none of them, and as it was not a week of funerals they held over. Sweet peas have about departed. Any first-class ones create a lively



TYING TAPE SPECIAL

A new Pennock-Meehan introduction for tying boxes and packages. It is a highly finished extra quality tape, very strong and almost as economical as ordinary twine, adds elegance and exclusiveness to the box or package.

PER 1000 YARD SPOOL, \$1 75

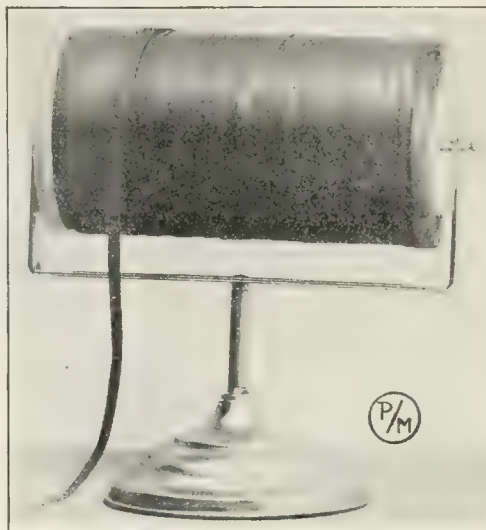
Stock Colors: Foliage green, orchid, violet, red, light blue and white.

We can furnish special colors to match any color box on three week' notice.

Tape Reels or Holders

Gun Metal, an elegant counter requisite.

\$1.50 EACH



S. S. PENNOCK-MEEHAN CO.

THE WHOLESALE FLORISTS OF PHILADELPHIA

NEW YORK
109 W. 26th Street

PHILADELPHIA
1608-1620 Ludlow Street

WASHINGTON
1212 New York Ave.

WHOLESALE FLOWER MARKETS.—TRADE PRICES—Per 100 TO DEALERS ONLY

		CINCINNATI		DETROIT		BUFFALO		PITTSBURG				
ROSES		May 25		June 6		June 20		June 20				
Am. Beauty, Fan. and Sp.	8.00	to	12.00	25 00	to	30 00	20.00	to	25.00	25.00	to	30.00
" Extra	4.00	to	6.00	20 00	to	25 00	10.00	to	12.00	.....	to	20 00
" No. 1	.....	to	.....	15 00	to	20 00	6.00	to	8.00	12.50	to	15.00
" Lower grades	.....	to	.....	4.00	to	12.00	2.00	to	4.00	5.00	to	8.00
Bride, 'Maid, F. & S.	4.00	to	6.00	0 00	to	8 00	5.00	to	6.00	6.00	to	8.00
" Low. gr.	2.00	to	3.00	4.00	to	6.00	2.00	to	3.00	3.75	to	4.00
Richmond, Chatenay, Fan. & Spl.	4.00	to	6.00	0 00	to	8.00	5.00	to	6.00	6.00	to	8 00
" Lower Grades	2.00	to	3.00	4 00	to	6 00	2.00	to	3.00	3.00	to	4.00
Killarney, Maryland, Fan. & Spl.	4.00	to	6 00	0.00	to	8.00	6.00	to	8.00	6.00	to	10.00
" Low Grades.	2 00	to	3.00	4.00	to	6.00	2.00	to	4.00	3.00	to	4.00
Kaiserin, Carnot,	.....	to	.....	.....	to	.....	.....	to	.....	.....	to	.....
CARNATIONS, First Quality												
" Ordinary	.....	to	3.00	2 00	to	3.00	1 50	to	2.00	.....	to	1.50
"	.....	to	2.00	1.00	to	2.00	1.00	to	1.50	.....	to	1.00
MISCELLANEOUS												
Cattleyas	50.00	to	75.00	50.00	to	75.00	25 00	to	35 00	50.00	to	60.00
Lilies, Longiflorum	4.00	to	6.00	.....	to	12.50	8.00	to	10.00	10.00	to	12.00
Lily of the Valley	1.00	to	3.00	3 00	to	4.00	3.00	to	4.00	3.00	to	4.00
Daisies	.25	to	.50	.50	to	1.00	.50	to	1.00	.....	to	.....
Snapdragon	2.00	to	3.00	3 00	to	8.00	.....	to	.....	.....	to	.....
Gladioli	.....	to	.....	.....	to	.....	.....	to	.....	.....	to	.....
Stocks	.....	to	.....	.....	to	.....	.....	to	.....	.....	to	.....
Sweet Peas	.25	to	.35	.50	to	1 00	.40	to	.75	.50	to	1.00
Gardenias	.....	to	.....	.....	to	25.00	.....	to	.....	.....	to	.....
Adiantum	.....	to	1 00	1.00	to	1.50	.50	to	1.50	.....	to	1.25
Smilax	.....	to	12.50	.....	to	18.00	.....	to	15.00	.....	to	15.00
Asparagus Plumosus, strings (100)	.....	to	35.00	20.00	to	30 00	40.00	to	50.00	35.00	to	50.00
" " & Soren (100 bchs.)	.....	to	25.00	20.00	to	30 00	25.00	to	50.00	35.00	to	50.00

strife among the buyers. That they may last through the month of weddings is the hope of the florists. Comparatively few peonies are left in storage. Some of the largest dealers are rapidly nearing the end of their supply. On the whole, the peony season has been as far from normal as the last, when cold and not excessive heat played havoc with the crop. The growers do not seem at all disheartened, and the accounts will balance up, with something to the good, no doubt, in spite of all.

Trade during the past week was nothing to brag about, still all stock that could be classed as good sold at fair prices. There are a good many flowers coming in that are poor in quality and it is these that suffer, as they are hard to move at any price. This makes the average price of stock seem low, while as a matter of fact really good stock is bringing fair prices. Owing to numerous weddings and a light

(Continued on page 927.)

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Vol. 1462 Madison Square New York
1463

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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending June 17 1911		First Half of Week beginning June 19 1911	
American Beauty, Fancy and Special.....	15.00	to 25.00	10.00	to 20.00
" " Extra.....	5.00	to 12.00	4.00	to 12.00
" " No. 1.....	4.00	to 8.00	3.00	to 4.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Bride, 'Pald, Extra and Special.....	3.00	to 5.00	2.50	to 5.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Richmond, Chateaux, Extra and Special.....	3.00	to 5.00	3.00	to 6.00
" " Lower Grades.....	.50	to 2.00	.50	to 1.00
Killarney, My Maryland, Extra and Special.....	2.00	to 8.00	2.00	to 6.00
" " Lower Grades.....	.50	to 1.00	.50	to 1.00
Carnations, First Quality.....	1.00	to 2.00	1.00	to 2.00
" " Ordinary.....	.50	to .75	.50	to .75
Kaiserlin, Carnot.....	1.00	to 5.00	1.00	to 5.00

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Flower Market Reports

(Continued from page 925)

supply, the market is way short on pink roses. The Taft rose is superior in quality to any of the other pink sorts. There being only a couple of growers that are growing Taft for summer forcing the supply is limited and all orders are usually placed two or three days in advance. Quite a few growers are already throwing out carnations, preparatory to benching for indoor culture, but supplies all during the week up to Saturday were greater than the market requirements. Saturday found the retailer skirmishing for carnations and grabbing up anything that looked anyway fair. Outdoor peas are not as plentiful as in other years owing to the hot and dry weather the latter part of May and the early part of June. Shasta daisies are in heavy crop. Gladioli continue good property. There was an improvement in the demand and prices for lilies. The call for lily of the valley has been good and supply light. Smilax continues scarce while other green goods are plentiful.

The summer hush has already begun to settle down over the retail flower marts of the city. The "coronation" festivities have drawn away a very large number of the florists' patrons, and earlier than is customary for the annual European exodus. Saturday before last there were over 2000 such passengers on outgoing steamers. But the call for graduations and weddings has helped the situation for the time being and the shortening up of supplies has brought a gratifying resumption of activity in the wholesale district. Storms have made havoc with outdoor flowers and peonies and garden roses are all done. Beauty is the best seller in the rose line. Small roses are of poor quality generally, particularly Bride and Bridesmaid. There are some excellent Maryland, Testout and White Killarney coming in. Carnations are holding out in good shape considering the season.

So much stock PHILADELPHIA came in last week it made the wholesalers tired to look at it. Then the warm weather made it open so quickly that altogether there was a terrible mess. The most plentiful item of all was carnations, and very little of this stock was any good. There were roses galore and piles and piles of such things as cornflower and coreopsis. The demand early in the week was good for American Beauty roses in the shorter stemmed grades, but

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending June 17 1911		First Half of Week beginning June 19 1911	
Cattleyas.....	20.00	to 25.00	15.00	to 35.00
Lilies, Longiflorum.....	2.00	to 5.00	3.00	to 4.00
Lily of the Valley.....	1.00	to 3.00	1.00	to 3.00
Daisies.....	.10	to .25	.10	to .25
Snape-dragon.....	2.00	to 3.00	1.00	to 3.00
Gladioli.....	4.00	to 6.00	4.00	to 6.00
Stocks.....	.50	to .75	.50	to .75
Sweet Peas (per 100 bunches).....	4.00	to 6.00	4.00	to 6.00
Gardenias.....	10.00	to 20.00	15.00	to 20.00
Adiantum.....	.50	to .75	.50	to .75
Smilax.....	5.00	to 8.00	5.00	to 8.00
Asparagus Plumosus, strings.....	10.00	to 50.00	10.00	to 35.00
" " & Sprigs (100 bchs).....	15.00	to 25.00	10.00	to 20.00

the fancies did not sell so well. More good white roses could have been used. Very good demand for sweet peas. Orchids went only fair. Lily of the valley has suffered in quality from weather conditions, but the demand has been all right. Peonies are over. Lilies—including candidum—are good and meet with ready sale. The gladiolus market is confined mostly to America which cleans up all right. A few early asters have made their appearance. Yellow daisies sell pretty well, but will not be a feature much longer. The water lily market is good in spots—very erratic; our local stores do not seem to make nearly as much of this item as is done in other cities. Plenty of greens of all kinds and market for same anything but brisk.

The last week of the flower season here was a busy one with most of our retailers. The work was mostly for school graduates and weddings which have been plentiful all week. The social folks have mostly all left the city for summer vacations, so, practically speaking, the flower season is ended until September. The market was a busy one all week and stock scarce in all lines except carnations. The big call was for sweet peas and lily of the valley. Roses and gladioli, too, sold clean up. Carnations were most plentiful and cheap, but of very poor quality—poorer than at any time this year. The dry, hot weather is responsible for all this and a good soaking twenty-four-hour rain is needed.

Local stock is very small and poor. This is attributed to the state of the season. Buds do not develop properly before they open. The rains have also affected stock. Sweet peas are getting poor. Some good roses are coming in from Connecticut and other northern points. Good stock is bringing fair prices, but poor stock is low. "Even the best stock is poor," says one dealer.

ST. LOUIS NOTES.

Wild Bros. and Gilbert H. Wild of Sarcosie, Mo., made good peony displays at the Nurserymen's Convention held here last week.

Two carloads of visiting nurserymen left over the Burlington R. R. on Saturday morning, June 17th, for a visit to Stark Bros.' Nursery at Louisiana, Mo.

On June 1st, J. F. Ammann of Edwardsville, turned over his Edwardsville greenhouse plants to the new owners. Mr. Ammann has also advertised his Alton and East St. Louis stores for sale.

Secretary Beneke of the Florist Club reports that President Geo. Asmus and Secretary H. B. Dorner of the S. A. F. and O. H., have accepted their invitations and will be present at the club's 25th anniversary banquet, June 28th.

Very little enthusiasm among fathers over the idea of setting aside a Sunday especially in their honor. Evidently they feel that they might have to go to church.—*American Cultivator*.

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Alternantheras, 1500 red and 1500 yellow, fine plants from 2-inch pots, to close out \$15.00 per 1000. Cash. F. Sokol, Worcester, Mass.

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Strong seedlings,
50c per 100; \$4.00 per 1000 prepaid.
P. Pearson, 5732 Gunnison St., Chicago.

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Patrick Grace, Brighton, Mass.
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Asparagus Plumosus Nanus.
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ASTERS.

Asters, mixed, Queen of the Market and Semples Branching. Good plants; 40c. per 100, \$3.50 per 1000. Miss Alicia Fowler, Union City, Ind.

Asters, Semples Branching, separate colors or mixed, nice plants, 50c. per 100, \$3.00 per 1000. Cash. M. B. Saunders Co., 25 Burnett St., Providence R. I.

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P. Ouwerkerk, Hoboken, N. J.
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BAY TREES

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Bobbink & Atkins, Rutherford, N. J.
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Julius Roehrs Co., Rutherford, N. J.
For page see List of Advertisers.

Bay trees, heads 24 in. through, \$12.00 a pair; heads 28 in. through, \$14.00 a pair; 32 in. heads, \$16.00 a pair; larger plants, \$18.00, \$25.00 and \$28.00 a pair. Pyramids, 50 in. high from tub, \$10.00 a pair; 75 in. high, \$18.00 and \$20.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

BEDDING PLANTS

A. Leuthy & Co., Perkins St. Nurseries, Roslindale, Mass.
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R. Vincent, Jr. & Sons Co., White Marsh, Maryland.
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Geranium Poitevine, Vland, Jaulin, La Favorite, English Ivy, Salvia Bonfire, Heliotrope, Fuchsias, Double White Feverfew, 3½ in., \$6.00 per 100; Geranium Sallerol, German Ivy, Double Sweet Alyssum, 3 in., \$5.00 per 100; White Marguerite, 3 in., \$4.00 per 100; Coleus, G. Bedder, Verschaffelt, Queen Victoria, 2½ and 3 in., \$2.50 and \$4.00 per 100; Green Cannas, 3½ in., \$5.00 per 100; Achryanthus Linden, Ageratum, Double Lobelia, Dusty Miller, Verbenas, 2½ in., \$2.50 per 100; Abutilon Savitzii, 2 in., \$3.00 per 100. Cash. F. Sokol, Worcester, Mass.

BEDDING PLANTS—Continued

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Godfrey Aschmann, Philadelphia, Pa.
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John M. Cooke, Tarrytown, N. Y.

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Thomas Roland, Nahant, Mass.
Lorraine Begonias.

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Begonia Lorraine, 2½ in., twice transplanted, \$12.00 per 100; in 500 lots, \$50.00 the 500. Julius Roehrs, Rutherford, N. J.

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Boxwood for window boxes, \$20.00, \$25.00, \$30.00, \$40.00, per 100. Pyramids in tubs, very fine, \$3.00, \$4.00, \$5.00, \$6.00 a pair. A. Schultheis, College Point, Queensborough, N. Y.

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Box Trees all sizes. Ask for special list.

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Rickards Bros., 37 East 19th St., New York.
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Henry F. Michell Co., Philadelphia, Pa.
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T. J. Grey & Co., 32 and 33 So. Market St., Boston.
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Ralph M. Ward & Co., 12 W. Broadway, New York.

Horseshoe Brand.

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"Buds," New York, N. Y.

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James Vick's Sons, Rochester, N. Y.

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Loechner & Co., New York, N. Y.

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John Lewis Childs, Flowerfield, L. I.

Spring Bulbs.

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The W. W. Barnard Co., Chicago, Ill.

Import Bulb List.

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BULBS AND TUBERS—Continued

Fottler, Fiske, Rawson Co., Boston, Mass.
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E. S. Miller, Wading River, N. Y.
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Wood Bros., Fishkill, N. Y.
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Cannas in large variety, dormant roots and plants. Send for our new price list. Clear View Gardens, Successors to Frank Cummings Bulb & Plant Co., Meridian, Miss.

Cannas, 3-in. pots, King Humbert, Brandywine, Venus, California, Alsace, Queen Charlotte, Gladiator, Niagara. P. of five, Chautauqua, Express, Phila., Buttercup, F. Vaughan, Wyoming, \$5.00 per 100. Will make special price as to kinds. Louis B. Eastburn, Kennett Square, Pa.

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F. Dorner & Sons Co., Lafayette, Ind.
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Chicago Carnation Co., Joliet, Ill.
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S. G. Benjamin, Fishkill, N. Y.
Carnations from pots.
For page see List of Advertisers.

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WEEKLY BULLETIN.

Fine stock for immediate delivery, not less than 25 at hundred, and 250 at thousand rate. The flowering season is in the order given beginning with the earliest.

WHITE	100	1000
Beatrice May	3.00	25.00
Indiana	3.00	25.00
Miss Clay Frick	3.00	25.00
Pres. Taft	3.00	25.00
Mrs. Wm. Arnold	3.00	25.00
Mlle. Margaret Desjouis	3.00	25.00
W. H. Chadwick	3.00	25.00
White Bonaffon	3.00	25.00
Jeanne Nonin	3.00	25.00

YELLOW	100	1000
Golden Glow	3.00	25.00
Yellow Oct. Frost	3.00	25.00
Donatello	5.00	45.00

PINK	100	1000
Glory of Pacific	\$3.00	\$25.00
Pacific Supreme	3.00	25.00
Gloria	3.00	25.00
Mrs. Wm. Wincott	3.00	25.00
Dr. Enguehard	3.00	25.00
Mayor Weaver	3.00	25.00
Minnie Bailey	3.00	25.00
Helen Frick	3.00	25.00
Mlle. Jeanne Rosette	3.00	25.00

RED	100	1000
Pockett's Crimson	\$4.00	\$35.00
Intensity	4.00	35.00

Those interested in ANEMONES, POM-PONS and SINGLES will be quoted upon application.

This bulletin will be changed each week to comply with stock on hand.

ELMER D. SMITH & CO., ADRIAN, MICH.

Chas. H. Totty Madison, N. J.
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Elmer D. Smith, Adrian, Mich.
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Chrysanthemum rooted cuttings. Send for price list. Wm. Swayne, Kennett Square, Pa.

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CHRYSANTHEMUMS—Continued

Herrington's book on the Chrysanthemum mailed to your address for 50c., by Horticulture Publishing Co., 11 Hamilton Place, Boston.

Chrysanthemums, rooted cuttings, Monrovia, Polly Rose, \$12.00 per 100. Vinca Var., 4 in. pots, fine full plants, \$12.00 per 100. Ivy, English, 4 in., \$12.00 per 100. Chas. Lenker, Freeport, L. I., N. Y.

Chrysanthemum, rooted cuttings, R. Halliday, Amorita, Ivory, Yellow Jones, Minnie Bailey, Y. Bonaffon, Rosiere, Polly Rose, \$10.00 per 1000. Cash please. Hilpert & Hammen, 313 Belair Road, Baltimore, Md.

100,000 Chrysanthemums, R. C. in 20 leading standard sorts, \$2.00 per 100; 500 and up, \$15.00 1000. Benj. Connell, Merchantville, N. J.

Chrysanthemums Halliday, Frick, Nonin, Byron, Tousse, Polly Rose, Pacific, Englehardt, Golden Glow, Adela, fine plants from 2½-in. pots, \$25.00 per thousand. Cash, please. William Hoffman, 673 East Ave., Pawtucket, R. I.

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500 Cobaea Scandens, 4 in., \$1.00 per 100, purple. Or will exchange for Bostons. Fischer Bros., 614 Dempster St., Evanston, Ill.

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20th Century Plant Food Co., Beverly, Mass. For page see List of Advertisers.

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Coleus, strong 2½ in., \$1.25 100; \$12.00 1000. Six varieties including Golden Bedder and best red.

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Edwards Folding Box Co., Philadelphia. For page see List of Advertisers.

Folding cut flower boxes, the best made. Write for list. Holton & Hunkel Co., Milwaukee, Wis.

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Cyclamen, 3-in. pots, selected giant strain, none better, \$10.00 per hundred, cash. William Hoffman, 673 East Ave., Pawtucket, R. I.

CYPERUS

Cyperus papyrus. Strong 4-in. plants, \$2.00 per doz.; \$15.00 per 100. A. Klokner, Wauwatosa, Wis.

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R. Vincent, Jr. & Sons Co., White Marsh, Md. For page see List of Advertisers.

Dahlias—2500 field clumps, latest varieties, cheap for cash; or what have you to exchange? Geo. H. Walker, Dahlia Expert, North Dighton, Mass.

Dahlias, divided roots, from 1 to 3 eyes to the piece. Send for list and get the latest varieties. W. P. LOTHROP, Brockton Dahlia Farm, E. Bridgewater, Mass.

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Robert Craig Co., Market and 49th Sts., Philadelphia, Pa. For page see List of Advertisers.

John Scott, Brooklyn, N. Y. For page see List of Advertisers.

DRACAENAS

Dracaena indivisa, 3 feet high and over, 5½ and 6 to 6½ in. pots, in perfect condition, cheap to close out, \$25.00 per 100. A. Schultheis, College Point, Queensborough, N. Y.

Dracaena Indivisa, to close out, 5-inch, \$3.00 per dozen; 4-inch, \$2.00 per dozen. Salvia Bonfire, 3½-inch, 5 cents. Cash. Chas. H. Green, Spencer, Mass.

EVERGREENS

New England Nurseries, Bedford, Mass. For page see List of Advertisers.

Bobbink & Atkins, Rutherford, N. J. For page see List of Advertisers.

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H. H. Barrows & Son, Whitman, Mass. For page see List of Advertisers.

John Scott, Brooklyn, N. Y. For page see List of Advertisers.

Frank Oechslin, 4911 Quincy Street, Chicago.

Ferns for Dishes.

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Robert Craig Co., Philadelphia, Pa. For page see List of Advertisers.

F. R. Pierson Co., Tarrytown-on-Hudson, N. Y. For page see List of Advertisers.

Anderson's ferns for in and outdoors. Largest commercial collection in the country. Ask for descriptive catalogue. J. F. Anderson, Fern Specialist, Shot Hills, N.J.

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20th Century Plant Food Co., Beverly, Mass. For page see List of Advertisers.

Pulverized Manure Co., 31 Union Stock Yards, Chicago, Ill. Wizard Brand Cattle Manure.

Hardwood ashes, best fertilizer on earth for lawns and gardens. George Stevens, Peterborough, Ont., Canada.

FLORISTS' ENCYCLOPEDIA FREE

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Peters & Reed Pottery Co., Zanesville, O. For page see List of Advertisers.

FRUIT TREES

Dwarf Fruit Trees, by F. A. Waugh, mailed to your address for 55 cents by Horticulture Publishing Co., 11 Hamilton Place, Boston.

GALAX

Michigan Cut Flower Co., 38 and 40 Broadway, Detroit, Mich.

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Fitzgerald-Morey Co., Brighton, Mass.

Geraniums, our selection, 4 in., \$7.00 per 100; 3 in., \$4.00 per 100; 2 in., \$2.00 per 100; \$18.50 per 1000. More than 100 varieties. Send for geranium catalogue. A. D. Root, Wooster, O.

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Standard Plate Glass Co., 26-30 Sudbury St., Boston.

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Metropolitan Material Co., 1392-1402 Metropolitan Ave., Brooklyn, N. Y.

Greenhouse glass, lowest prices. Johnston Glass Co., Hartford City, Ind.

GLAZING POINTS

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Peerless Glazing Point.

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Pierson U-Bar Co., Madison Ave., New York Designer and Builder.

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King Construction Co., N. Tonawanda, N. Y. King Channel Gutters.

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HAIL INSURANCE

Florists' Hail Asso. of America.
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HYDRANGEAS

F. R. Pierson Co., Tarrytown-on-Hudson,
New York.
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The true blue French Hydrangea from
5½ and 6 in. pots, sky blue, from 8 to 16
branches, \$9.00 per dozen. Best selected
plants, \$12.00 per dozen. Cash please. A.
Schultheis, College Point, Queensborough,
N. Y.

INSECTICIDES

Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.

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Nicotidie kills all greenhouse pests.
P. R. Palethorpe Co., Owensboro, Ky.

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Stumpp & Walter Co., New York.
Kilmdread Tobacco Dust.

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Wm. Elliott & Sons, New York, N. Y.
Tobacco Dust.

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Acme Nicotine Insecticides sold direct to
the grower. Acme 45 per cent. Liquid,
pint \$1.75; gallon \$12.50. Acme Fumigat-
ing Paper, case of 288 sheets \$5.50. Sample
can of 24 sheets 60 cents, postpaid. J. P.
Beeremaker, 9 Washington Ave., St. Louis,
Mo.

'GYPSY MOTH CREOSOTE

The original Gypsy Moth Creosote, made
especially by us for the Gypsy Moth Com-
mission. Limpid at all temperatures, com-
pletely penetrates the nest; kills all eggs.
Samuel Cabot, Inc., Mfg. Chemists, Boston,
Mass.

IRON RESERVOIR VASES

Walbridge & Co., Buffalo, N. Y.
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IVIES

Surplus German Ivy, Alternanthera,
Sweet Alyssum, 2 in., 2c. Will exchange
for "Mums." E. A. Chipman, Woonsocket,

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TEUM**

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Lobelia K. Mallard, good ones, 2¼ in.,
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TREES, SHRUBS, ROSES, EVER-
GREENS, PEONIES, HARDY PLANTS.
Ellwanger & Barry, Rochester, N. Y.

Manual of the Trees of North America,
by C. S. Sargent, mailed to your address
for \$6.00 by Horticulture Publishing Co.,
11 Hamilton Place, Boston.

ONION SETS

Leonard Seed Co., Chicago, Ill.
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ORCHID FLOWERS

Jas. McManus, New York, N. Y.
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ORCHID PLANTS

Lager & Hurrell, Summit, N. J.
Fresh Imported and Established Orchids.
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Ordenez Bros., Madison, N. J., Box 108.
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Sander, St. Albans, England.
Importer, Exporter, Growers, Hybridists.
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John De Buck, New York, N. Y.

Joseph Manda, West Orange, N. J.
Cattleya Dowlana.

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Orchids—largest stock in the country.
Stove plants and Crotons, finest collection.
Julius Roehrs Co., Rutherford, N. J.

Orchid Growers' Manual. By B. S. Wil-
liams, 300 illustrations, 800 pages; descrip-
tions of upwards of 2500 species and varie-
ties of orchidaceous plants, etc. The most
complete work on Orchids and orchid cul-
ture ever published. Price \$10.00. Orders
filled by HORTICULTURE, 11 Hamilton
Place, Boston.

ORCHID PLANTS—Continued

Edward V. Low, late of Hugh Low &
Co., dissolved, Vale Bridge, Haywards
Heath, England. "White" Cattleyas and
Choice Cypripediums are leading features.

PALMS

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PAPER POTS

Paper Pots: 5000 3 in., \$5; 2½ in., \$4;
2 in., \$3. Shipped flat, low freight rates.
Crosby & Son, Catonsville, Baltimore, Md.

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PEONIES

PEONIES—1200 sorts, an enormous stock
List ready. C. Betscher, Canal Dover, O.

PETUNIAS

Petunias (Dreer's), mixed, 2¼ in., \$2.00
per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

PHOTOGRAPHS

I make a specialty of photographing
flowers, plants, etc., for reproduction. Let
me submit samples and prices on material
for the next catalogue or circular. Special
work to order at reasonable prices. Nathan
R. Graves, 414 Hayward Bldg., Rochester,
N. Y.

PLANT STAKES

Seele's Tieless Plant Stakes and Trel-
lises. H. D. Seele & Sons, Elkhart, Ind.

PLANT TUBS

H. A. Dreer, Philadelphia, Pa.
"Riverton Special."

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Metropolitan Material Co., Brooklyn, N. Y.

POT HANGERS

Pot hangers, Kramer's \$1 doz. by exp.,
\$1.25 by mail. I. N. Kramer & Sons, Cedar
Rapids, Iowa.

PRIMULAS

Primulas Chinese, fine plants. 2½ in.
\$2.00 per 100; 300 for \$5.00. J. C. Schmidt,
Bristol, Pa.

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Wanted—Rose plants of any kind. Melrose Garden Co., 90 Melrose St., Providence, R. I.

SALVIA

Salvia Splendens, strong plants from cold frame, 75c. per 100. Miss Alicia Fowler, Union City, Ind.

SCALECIDE

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STEVIA

Smilax, good stock, 2½-in. pots, \$16.00 per 1000. Cash from unknown parties. Bell 'phone connection. Alex. A. Laub, New Hamburg, N. Y.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. Lager & Hurrell, Summit, N. J.

Ten bales sphagnum moss, \$7.00. Z. K. Jewett Co., Sparta, Wis.

SPRAYERS

Chas. J. Jager Co., Boston, Mass.

SMILAX

Stevia rooted cuttings, 75c. a 100, pre-paid. Chas. Leisy, Mantua, N. J.

SWAINSONA

Swainsona. Strong 2½ inch, bud and bloom, \$3.00; 3 inch, \$5.00 per 100. Union City Greenhouses, Union City, Pa.

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Golden Self-Branching Celery.

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Tomato plants: Acme, Jewel, Stone, Champion, Earliana. Just right for field. Transplanted, 50c. per 100; out of 3 in. pots, \$1.50 per 100. Cash, please. W. C. Lester, Plainville, Conn.

Celery, White Plume, Pascal, Self Blanching, Winter Queen, Boston Market, Golden Heart, also Cabbage, Succession, Flat Dutch, Savoy, Drum Head, Sure Head, Danish Ball Head. Stocky, well rooted plants, \$1.25 per 1000. Cauliflower, \$2.50 per 1000. Cash, please. W. C. Lester, Plainville, Conn.

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Improved Ventilator Arm.

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VINCAS

Vinca variegata from 3 in. pots, \$5.00 per 100. Cash with order. W. S. Nichol, Barrington, R. I.

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Reed & Keller, 122 W. 25th St., N. Y.

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Wirework. Write for our catalogue. Holton & Hunkel Co., Milwaukee, Wis.

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WOOD PRESERVATIVE

Conservo Wood Preservative doubles the life of all exposed lumber. Preserves benches, posts, sills or planking. Costs 3c. a stick, and saves ten times its cost. Samuel Cabot, Inc., Mfg. Chemists, Boston, Mass.

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Obituary.

W. D. Bastow.

W. D. Bastow, formerly a florist in Peoria, Ill., died on June 13, aged 84 years. He was born in England and came to this country when twenty years of age.

Mrs. A. Woerner.

Mrs. A. Woerner, wife of August Woerner, florist, 628 Artesian avenue, Clinton, Mo., died May 26, aged 52 years. She is survived by her husband and eight children.

Charles H. Magoon.

Dr. Charles H. Magoon, nurseryman, died at his home in Wakefield, Ia., on June 1, aged 70 years. It is said he started the first nursery in the state, settling in Algona, Ia., in 1857.

Preston W. Butler.

Preston W. Butler, nurseryman, died suddenly at his home in East Penfield, N. Y., on June 13. He was for many years one of the most prominent nurserymen of Monroe County.

Mrs. Mary Hanson.

Mrs. Mary Hanson, wife of Hubert Hanson, retired florist, at 1250 Grace street, Chicago, Ill., died on June 10, aged 51 years and 11 months. She is survived by her husband and one son.

Chauncey P. Coy.

Chauncey P. Coy, a pioneer seed grower of Nebraska, died at his home in Waterloo, Neb., June 10, after a short illness. He was senior member of the firm of Chauncey P. Coy & Son, wholesale seed growers.

John Trusty.

John Trusty, florist, of Pleasantville, N. J., died of heart failure very suddenly on June 13. He was a veteran "fresh violets" vender on Atlantic avenue, Atlantic City. Overwork in the hot sun was the immediate cause of his death.

Mrs. A. B. Packard.

Mrs. A. B. Packard, for forty years a florist in Quincy, Mass., died recently, aged 72 years. Her greenhouses were started for pleasure, but finally became a business proposition. Up to a short time before her death she was actively engaged in the business.

Mrs. Alfred Hannah.

Mrs. Alfred Hannah, wife of Alfred Hannah of the Grand Rapids Floral Co., Grand Rapids, Mich., died at the residence of her son, 1145 South East street, on June 14. Mrs. Hannah was born in Richmond Center seventy-four years ago and married Mr. Hannah in

William Russell Dudley.

William Russell Dudley, emeritus professor of systematic botany at Le-

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Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "care HORTICULTURE" should be sent to 11 Hamilton Place, Boston.

HELP WANTED

WANTED—About twelve miles from New York City, an Orchid grower who understands growing and potting of same. Only sober, first class man with good references, need apply. St.ady position and good wages to anyone answering the above requirements. A. A., care HORTICULTURE.

FLORIST—Single, English or German, for private place, thoroughly experienced. Apply with reference to Michell's Seed House, 518 Market Street, Philadelphia, Pa.

FOR SALE

FOR SALE—Fresh from factory, new 10 x 12, 16 x 18, 16 x 24, double thick, A and B qualities. Market dropped. Now is the time to buy and save money. Parshelsky Bros., Inc., 59 Montrose Ave., Brooklyn, N. Y.

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PARTNER WANTED—An old established seed and implement house wants a live, hustling, young man to buy part interest and help in the active management of the rapidly growing business. The concern stands well in the trade and with proper help and management, can be made one of the largest in the country. All correspondence, confidential. Address Conserv-ative, care HORTICULTURE.

SITUATIONS WANTED

Position as second gardener on private place where roses, carnations and general line of plants are grown. Several years good experience; best references. "L. W.," care HORTICULTURE.

MISCELLANEOUS

WANTED TO LEASE—From 15,000 to 30,000 feet of glass, within 50 miles of New York City; modern place required, with good dwelling and outbuildings; prefer several acres. Chas. Barson, Ossining, N. Y.

land Stanford University, died in San Francisco, Cal., on June 5, aged 62 years. He was a graduate of Cornell University and for sixteen years a member of the faculty. He had been at Stanford since 1892.

W. Taat.

We are sorry to have to report that the accident to this well-known representative of M. Van Waveren & Son, which was mentioned in our last week's issue, resulted fatally, Mr. Taat dying at the hospital after the amputation of his foot following an accident in the Boston subway. Mr. Taat was highly esteemed, and had many warm friends in this country.

TO COMBINE EXPRESS AND POSTAL SYSTEM.

The sub-committee on Post Office and Post Roads, at Washington, has taken up for consideration the Lewis bill, which provides for condemning and purchasing the express companies and adding them to the postal system, and establishing a complete system for the quick transport of packages and the eatable products of the farm and truck garden, etc. At their last conference in Washington, representative business men and farmers asked Congress to establish such a system.

"There are two main reasons why the express companies must be added to the postal system," said Mr. Lewis in his argument. "First, the express company service does not reach beyond the railways to the country or the farmers, which the post office does, through the rural free delivery, which is waiting with empty wagons to receive the express packages and take them to the country stores and the farmers, and carry back to the towns and the cities the produce of the farms and truck gardens for the people to eat, at living prices. Second, the contracts of the express companies with the railways give them an average transportation rate of three-quarters of a cent a pound; and with this rate the express charges by post would be reduced from two-thirds to one-half on parcels ranging from 5 pounds to 50 pounds, and about 28 per cent on heavier weights, as a consequence of the co-ordination of the express company plants with the post office and rural delivery, and the elimination of the express company profits, which are averaging over 50 per cent. on the investment.

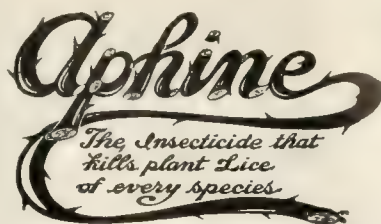
"The express companies are positive hindrances and obstacles to the business of the country. The average charge for carrying a ton of express in Argentina is \$6.51, and for the countries of Europe \$4.12, while the average express company charge in the United States is \$31.20. They charge 5 times as much to carry a ton of express as a ton of freight in other countries. Here the express companies charge 16 times as much. Of course, these charges simply prohibit by half or more of the traffic in the United States. Our average is less than one hundred pounds per capita, while that of the other countries is over two hundred pounds per capita, although we have far greater demand for quick transport on account of our longer distances and more extensive business."

Under the system now in vogue in Germany, shippers, Mr. Lewis shows, pay only double freight rates, less than a tenth of the express rates here.

The food problem, the "high cost of living," according to Mr. Lewis's figures, is largely the result of the want of a proper articulation of our transportation with the rural sources of supply. While prices are often prohibitive to the consumer, crops may be rotting at the place of production, for want of a REAL express service.

INCORPORATED.

Columbus, O.—The City Greenhouse Co. Incorporators, John B. Heimhofer, J. O. Reed, Dr. N. L. MacLachlan, A. H. Marshall, C. J. Oller



Destroys green, black and white fly, red spider, thrips, mealy bug, brown and white scale, and all soft-bodied insects. An excellent cleanser for decorative stock. Used as a spray, you can rely on it for positive results, without fear of failure or dissatisfaction.

\$2.50 per gallon, \$1.00 per quart.

"FUNGINE"

An infallible remedy for mildew, rust and other fungus diseases. A clean, safe and easily applied spraying material. It has no equal for destroying mildew on roses, and carnation rust.

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Send for name of nearest selling agent.

Our products are not alone endorsed, but are continuously used by leading commercial growers, professional gardeners, park departments and state colleges of the country.

Aphine and Fungine can be used in house or field.

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Guaranteed under Food and Drug Act 1910.

Single gallons, \$1.50

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dusts for
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25 lbs. \$1.00	100 lbs. \$ 2.00	1000 lbs. \$27.00
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Use any form you choose but buy it of

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\$2.00—100 lb.

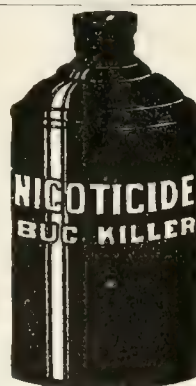
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Will positively destroy SAN JOSE SCALE and all soft bodied sucking insects without injury to the tree. Simple, more effective and cheaper than Lime Sulphur. Not an experiment. One gallon makes 16 to 20 gallons spray by simply adding water. Send for Booklet "Orchard Insurance."
B. G. PRATT CO., 50 CHURCH ST., NEW YORK CITY.

and C. H. Bigelow. The company recently took over the greenhouse interests of Samuel McMichael on Larkin street.

Centerville, Ind.—Davis Bros. Floral Co., capital stock \$10,000. Incorporators: Benj. M. Peele, Frederick S. Davis, William M. Davis.

Edwardsville, Ill.—J. F. Ammann Co., capital stock \$6,000. General greenhouse and floral business. Incorporators: J. F. Ammann, J. H. Buchsensschutz, Le Roy Smith, Edw. C. Buchsensschutz.



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Zanesville, O.—C. L. Humphrey, addition.

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Kenosha, Wis.—P. N. Obertin, range of houses.

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Kennebunk, Me.—J. O. Elwell, house 28 x 100 feet.

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Negaunee, Mich.—Negaunee Greenhouses, house 21 x 115 feet.

Spokane, Wash.—The Inland Nursery and Floral Co., range of houses.

Nashua, N. H.—George W. Coburn & Son, house 18 x 60. Other additions later.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

Price per crate	Price per crate
1500 six. pots in crate \$4.88	144 6 in. pots in crate \$3.86
1500 2½ " " 5.25	180 7 " " 4.80
1500 3½ " " 6.00	60 8 " " 3.00
1000 3 " " 3.00	HAND MADE
800 3½ " " 3.80	48 9 in. pots in crate \$3.60
500 4 " " 4.50	48 10 " " 4.80
456 4½ " " 5.24	24 12 " " 3.60
380 5 " " 4.51	24 12 " " 4.80
210 5½ " " 3.78	12 14 " " 4.80
	6 16 " " 4.90

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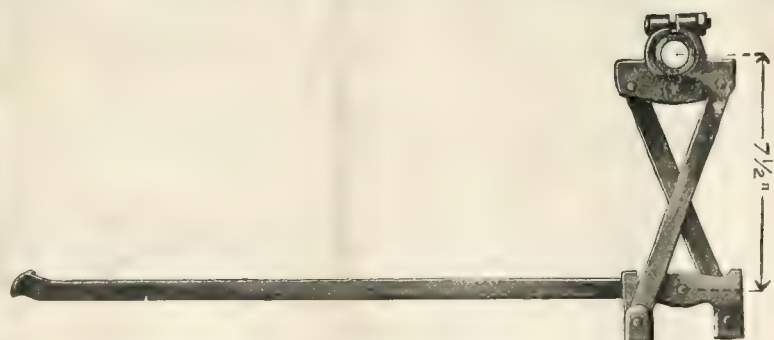
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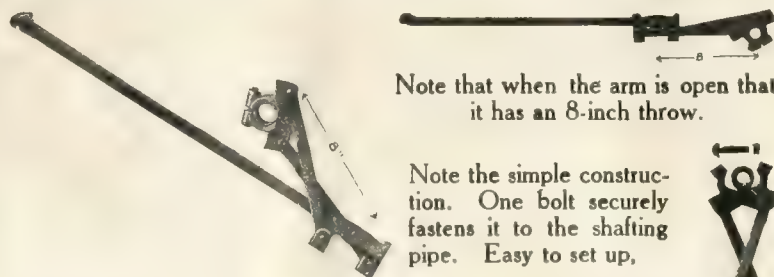
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